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(FILE 'HOME' ENTERED AT 13:57:02 ON 05 MAR 2010)

FILE 'CAPLUS' ENTERED AT 13:57:21 ON 05 MAR 2010

L1 1 S WO 9853814/PN

L2 1 S 125:317330/DN

SELECT RN L1 1-

SELECT RN L2 1-

FILE 'REGISTRY' ENTERED AT 13:57:54 ON 05 MAR 2010

L3 200 S E1-200

L4 200 S E201-400

L5 163 S E401-569

L6 215286 S 16.145/RID AND 46.156/RID

L7 557 S L3 OR L4 OR L5

L8 16 S L6 AND L7

L9 1309779 S FURANYL

L10 189466 S 16.138/RID AND 46.156/RID

L11 273915 S 46.156.30/RID AND 46.156.1/RID

L12 664003 S L6 OR L10 OR L11

L13 STRUCTURE UPLOADED

L14 1 S L13

L15 687 S L13 SSS FUL

L16 683 S L12 AND L15

FILE 'CAPLUS' ENTERED AT 14:19:25 ON 05 MAR 2010

L17 15 S L16

L18 12 S L17 NOT (2010/SO OR 2009/SO OR 2008/SO OR 2007/SO OR 2006/SO

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L18 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:1106018 CAPLUS

DOCUMENT NUMBER: 149:355696

TITLE: Pyrrole compounds as acid secretion inhibitors and antiulcer agents and their preparation, pharmaceutical compositions and use in the treatment of diseases

INVENTOR(S): Kajino, Masahiro; Nishida, Haruyuki; Arikawa, Yasuyoshi; Hirase, Keizo; Ono, Koji

PATENT ASSIGNEE(S): Takeda Pharmaceutical Company Limited, Japan

SOURCE: PCT Int. Appl., 266pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

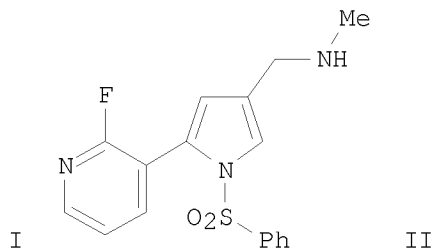
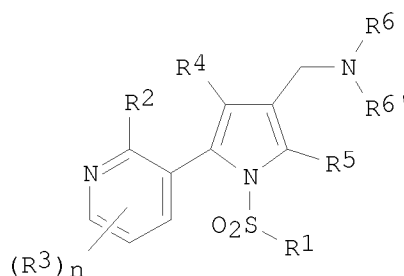
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2008108380 | A2 | 20080912 | WO 2008-JP53890 | 20080227 |
| WO 2008108380 | A3 | 20090416 | | |
| W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| US 20080262042 | A1 | 20081023 | US 2008-72421 | 20080226 |
| CA 2679305 | A1 | 20080912 | CA 2008-2679305 | 20080227 |
| EP 2114917 | A2 | 20091111 | EP 2008-721310 | 20080227 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR | | | | |
| PRIORITY APPLN. INFO.: | | | | |
| | | | JP 2007-50326 | A 20070228 |
| | | | JP 2007-256273 | A 20070928 |
| | | | WO 2008-JP53890 | W 20080227 |

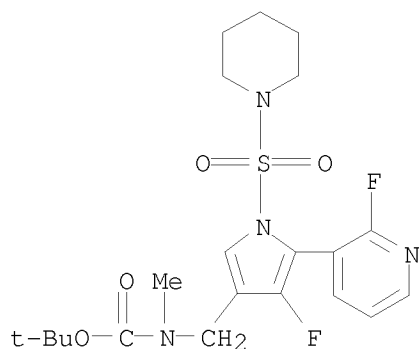
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 149:355696

GI



- AB The present invention provides a compound having a superior acid secretion inhibitory effect and showing an antiulcer activity, which is represented by the formula I or a salt thereof. Compds. of formula I wherein R1 is (un)substituted cyclic group; R2 is a substituent; R3 is (un)substituted alkyl, acyl, (un)substituted hydroxy, (un)substituted amino, halo, CN or NO2; R4 and R5 are independently H, (un)substituted alkyl, acyl, (un)substituted hydroxy, (un)substituted amino, halogen, CN or NO2; R6 and R6' are independently H or alkyl; n is an integer of 0 - 3; and their salts thereof are claimed. Example compound II•fumarate was prepared by reductive amination of 5-(2-fluoropyridin-3-yl)-1-(phenylsulfonyl)-1H-pyrrole-3-carboxaldehyde with methylamine to give compound II which was added fumaric acid to give the corresponding fumarate salt. All the invention compds. were evaluated for their proton-potassium ATPase inhibitory activity. From the assay, it was determined that compound II exhibited IC50 value of 26 nM.
- IT 1055307-13-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of pyrrole compds. as acid secretion inhibitors and antiulcer agents useful in the treatment of diseases)
- RN 1055307-13-5 CAPLUS
- CN Carbamic acid, N-[[4-fluoro-5-(2-fluoro-3-pyridinyl)-1-(1-piperidinylsulfonyl)-1H-pyrrol-3-yl]methyl]-N-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



L18 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:316318 CAPLUS

DOCUMENT NUMBER: 142:392406

TITLE: Preparation of alkoxy substituted imidazoquinolines as immunomodulators

INVENTOR(S): Lindstrom, Kyle J.; Merrill, Bryon A.; Haraldson, Chad A.; Rice, Michael J.; Kshirsagar, Tushar A.; Heppner, Philip D.; Wurst, Joshua R.; Niwas, Shri; Johannessen, Sarah C.

PATENT ASSIGNEE(S): 3M Innovative Properties Co., USA

SOURCE: PCT Int. Appl., 386 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

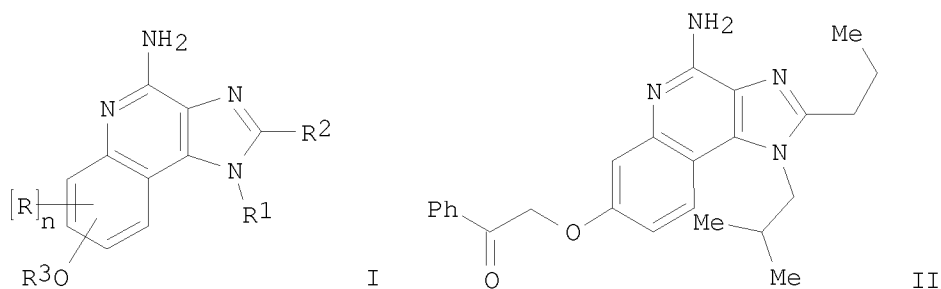
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|------------------|------------|
| WO 2005032484 | A2 | 20050414 | WO 2004-US32616 | 20041001 |
| WO 2005032484 | A3 | 20050630 | | |
| WO 2005032484 | A9 | 20060518 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| AU 2004278014 | A1 | 20050414 | AU 2004-278014 | 20041001 |
| CA 2540541 | A1 | 20050414 | CA 2004-2540541 | 20041001 |
| EP 1673087 | A2 | 20060628 | EP 2004-794092 | 20041001 |
| R: | AT, BE, CH, LI, CY, BG, CZ | | | |
| BR 2004014856 | A | 20061121 | BR 2004-14856 | 20041001 |
| CN 1897948 | A | 20070117 | CN 2004-80036217 | 20041001 |
| JP 2007507542 | T | 20070329 | JP 2006-534221 | 20041001 |
| SG 149828 | A1 | 20090227 | SG 2009-236 | 20041001 |
| NZ 546273 | A | 20090531 | NZ 2004-546273 | 20041001 |
| US 20070060754 | A1 | 20070315 | US 2006-595230 | 20060328 |
| MX 2006003705 | A | 20060620 | MX 2006-3705 | 20060331 |
| IN 2006CN01139 | A | 20070831 | IN 2006-CN1139 | 20060403 |
| KR 2006118453 | A | 20061123 | KR 2006-708497 | 20060502 |
| ZA 2006003474 | A | 20080528 | ZA 2006-3474 | 20060502 |
| PRIORITY APPLN. INFO.: | | | US 2003-508634P | P 20031003 |
| | | | WO 2004-US32616 | W 20041001 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 142:392406; MARPAT 142:392406

GI



AB The title imidazoquinolines with an alkoxy substituent at the 6-, 7-, 8- or 9-position [I; R = alkyl, alkoxy, OH, etc.; n = 0-1; R₁, R₂ = H, non-interfering substituents; R₃ = ZYR₄, ZHet, etc. (Z = alkylene, alkenylene, and alkynylene optionally interrupted with one or more O groups; Y = S, SO, SO₂, (un)substituted SO₂NH, etc.; R₄ = H, alkyl, aryl, etc.; Het = (un)substituted heterocycllyl)], useful as immunomodulators, for inducing or inhibiting cytokine biosynthesis in animals and in the treatment of diseases including viral, and neoplastic (no specific biol. data given), were prepared E.g., a multi-step synthesis of II, was given. Pharmaceutical compns. containing the compds. I are disclosed.

IT 850060-72-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of alkoxy substituted imidazoquinolines as immunomodulators)

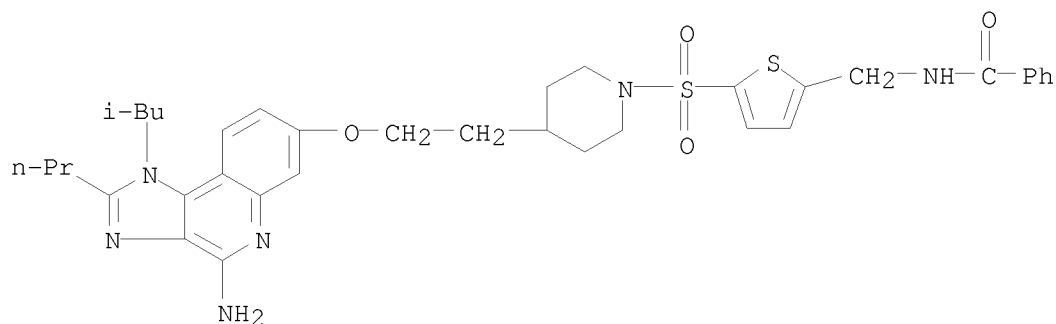
RN 850060-72-9 CAPLUS

CN Benzamide, N-[[5-[[4-[2-[[4-amino-1-(2-methylpropyl)-2-propyl-1H-imidazo[4,5-c]quinolin-7-yl]oxy]ethyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 850060-71-8

CMF C36 H44 N6 O4 S2

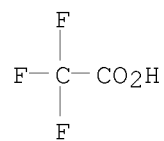


CM 2

CRN 76-05-1

10/070,954

CMF C2 H F3 O2

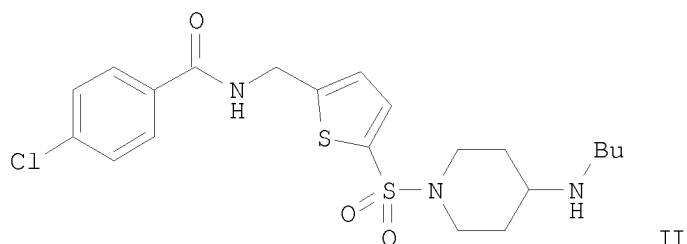
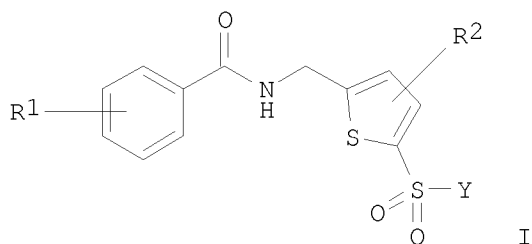


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| OS.CITING REF COUNT: | 2 | THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS) |
| REFERENCE COUNT: | 4 | THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT |

L18 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:259868 CAPLUS
 DOCUMENT NUMBER: 142:341890
 TITLE: Sulfonamide derivatives for the treatment of diabetes
 INVENTOR(S): Rueckle, Thomas; Vitte, Pierre-Alain; Gotteland, Jean-Pierre
 PATENT ASSIGNEE(S): Applied Research Systems ARS Holding N.V., Neth. Antilles
 SOURCE: PCT Int. Appl., 116 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2005025558 | A1 | 20050324 | WO 2004-EP52143 | 20040913 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2004271741 | A1 | 20050324 | AU 2004-271741 | 20040913 |
| CA 2534312 | A1 | 20050324 | CA 2004-2534312 | 20040913 |
| EP 1663193 | A1 | 20060607 | EP 2004-787131 | 20040913 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| JP 2007505088 | T | 20070308 | JP 2006-525836 | 20040913 |
| NO 2006001598 | A | 20060609 | NO 2006-1598 | 20060407 |
| US 20070043027 | A1 | 20070222 | US 2006-571466 | 20060825 |
| PRIORITY APPLN. INFO.: | | | EP 2003-102742 | A 20030912 |
| | | | WO 2004-EP52143 | W 20040913 |
| ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT | | | | |
| OTHER SOURCE(S): MARPAT 142:341890 | | | | |
| GI | | | | |



AB The present invention is related to the use of sulfonamides I and their geometrical isomers, its enantiomers, diastereomers, racemates, and their pharmaceutically acceptable salts for the manufacture of a medicament for the treatment of metabolic disorders mediated by insulin resistance or hyperglycemia, comprising diabetes type II, inadequate glucose tolerance, insulin resistance, obesity, polycystic ovary syndrome (PCOS) [Y - 4-12 membered saturated cyclic or bicyclic alkyl containing at least one N; R1 = H, alkoxy, alk(en/yn)yl, NH2, S, SO, SO2, halo, etc.; R2 = H, CO2H and derivs., OH, CONH2 and derivs., etc.]. Efficacy of sulfonamide derivs. I in exptl. model of type II diabetes was studied. For instance, using II (50 mg/kg, p.o.), a decrease of 42% in blood glucose level as well as a decrease of 61% in the insulin level was determined in vivo assay in db/db mice compared to the animals treated by the vehicle (10 mg/kg). Oral formulations of sulfonamides I is described.

IT 332415-52-8, 4-Chloro-N-[[5-[(4-hydroxy-4-phenylpiperidin-1-yl)sulfonyl]thien-2-yl]methyl]benzamide 332415-54-0, N-[[5-[(4-Benzoylpiperidin-1-yl)sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 332415-57-3, 4-Chloro-N-[[5-[[4-(2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 332415-59-5, N-[[5-[(4-Benzylpiperidin-1-yl)sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 332415-65-3, 4-Chloro-N-[[5-[[4-(hydroxydiphenylmethyl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 332415-75-5, N-[[5-[[4-(1H-1,2,3-Benzotriazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 332415-79-9, 4-Chloro-N-[[5-[[4-(2,4-difluorobenzoyl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 332416-11-2, tert-Butyl [1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]thien-2-yl]sulfonyl]piperidin-4-yl]carbamate 332416-15-6, 4-Chloro-N-[[5-(piperidin-1-ylsulfonyl)thien-2-yl]methyl]benzamide 332416-22-5, 4-Chloro-N-[[5-[[3-hydroxy-4-[3-

(trifluoromethyl)phenyl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 332416-25-8,
 N-[[5-[[4-(Benzyloxy)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 332416-27-0,
 4-Chloro-N-[[5-[[4-(4-hydroxypiperidin-1-yl)sulfonyl]thien-2-yl]methyl]benzamide 332416-32-7,
 N-[[5-[[4-(4-Benzyl-4-hydroxypiperidin-1-yl)sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 332416-33-8,
 4-Chloro-N-[[5-[[4-[(3-trifluoromethylsulfonyl)phenyl]amino]piperidin-1-yl]sulfonyl]thiophen-2-yl]methyl]benzamide 332416-34-9,
 N-[[5-[[4-[(2-tert-Butyl-1H-indol-5-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 332416-35-0,
 4-Chloro-N-[[5-[[4-[(phenylacetyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 332416-40-7,
 N-[[5-[[4-(2H-1,2,3-Benzotriazol-2-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 332421-97-3,
 4-Chloro-N-[[5-[[4-(4-chlorobenzoyl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406486-95-1,
 5-[[3-Methoxybenzoyl]amino]methyl]-2-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thiophene-3-carboxylic acid 406487-01-2,
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 N-[[4-(Hydroxymethyl)-5-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406487-03-4,
 5-[[3-Methoxybenzoyl]amino]methyl]-2-[[4-(octylamino)piperidin-1-yl]sulfonyl]thiophene-3-carboxylic acid 406487-04-5,
 N-[[4-(Hydrazinocarbonyl)-5-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406487-05-6,
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 N-[2-(Dimethylamino)ethyl]-5-[[3-methoxybenzoyl]amino]methyl]-2-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thiophene-3-carboxamide 406677-95-0,
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 4-Chloro-N-[[5-[[4-[(1R)-1-cyclohexylethyl)amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 406678-25-9,
 N-[[5-[[4-[(1R,2R,4S)-Bicyclo[2.2.1]hept-2-yl]amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]-4-chlorobenzamide 406678-26-0,
 4-Chloro-N-[[5-[[4-[(2-propoxyethyl)amino]piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 406678-27-1,
 N-[[5-[[4-[(1-Adamantylmethyl)amino]piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]-4-chlorobenzamide 406678-28-2,
 4-Chloro-N-[[5-[[4-[[2-(pyridin-2-yl)ethyl]amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 406678-29-3,
 4-Chloro-N-[[5-[[4-[[2-(piperidin-1-yl)ethyl]amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 406678-30-6,
 4-Chloro-N-[[5-[[4-[(2-ethylhexyl)amino]piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 406678-31-7,
 4-Chloro-N-[[5-[[4-(octylamino)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 406678-32-8,
 N-[[5-[[4-(Heptylamino)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-3-
 methoxybenzamide 406678-33-9,
 3-Methoxy-N-[[5-[[4-(octylamino)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 406678-34-0,
 3-Methoxy-N-[[5-[[4-(pentylamino)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 406678-35-1,
 N-[[5-[[4-(Butylamino)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-3-
 methoxybenzamide 406678-36-2,

N-[[5-[[4-(Dodecylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-37-3,
3-Methoxy-N-[[5-[[4-(nonylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-38-4,
3-Methoxy-N-[[5-[[4-(decylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-39-5,
3-Methoxy-N-[[5-[[4-(ethylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-40-8,
N-[[5-[[4-[(2-Cyclohexylethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-41-9,
N-[[5-[[4-[(1R)-1-Cyclohexylethyl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-42-0,
N-[[5-[[4-[(1R,2R,4S)-Bicyclo[2.2.1]hept-2-yl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-43-1,
3-Methoxy-N-[[5-[[4-[(2-propoxyethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-44-2,
N-[[5-[[4-[(1-Adamantylmethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-45-3,
N-[[5-[[4-[(3,3-Diethoxypropyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-46-4,
3-Methoxy-N-[[5-[[4-[(3-(morpholin-4-yl)propyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-47-5,
3-Methoxy-N-[[5-[[4-[(2-(pyridin-2-yl)ethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-48-6,
3-Methoxy-N-[[5-[[4-[(2-(piperidin-1-yl)ethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-49-7,
N-[[5-[[4-[(2-Ethylhexyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-50-0,
N-[[5-[[4-(Hexylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-51-1,
3-Methoxy-N-[[5-[[4-[(2-[3-(trifluoromethyl)phenyl]ethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-52-2,
3-Methoxy-N-[[5-[[4-[(2-(4-methylphenyl)ethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-53-3,
3-Methoxy-N-[[5-[[4-[(1S,2R)-2-phenylcyclopropyl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-55-5,
3-Methoxy-N-[[5-[[4-[(1-naphthylmethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-57-7,
3-Methoxy-N-[[5-[[4-[(2-phenylpropyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-58-8,
N-[[5-[[4-[(2-(4-Hydroxyphenyl)ethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-59-9,
3-Methoxy-N-[[5-[[4-[(3-phenylpropyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-60-2,
N-[[5-[[4-[(2,3-Dihydroxypropyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-61-3,
N-[[5-[[4-[(2-Hydroxyethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-62-4,
N-[[5-[[4-[(2-([1,1'-Biphenyl]-4-yl)ethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-63-5,
N-[[5-[[4-[(2-([1,1'-Biphenyl]-3-yl)methyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406678-64-6,
3-Methoxy-N-[[5-[[4-[(2-(thien-2-yl)ethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-92-0,
4-Chloro-N-[[5-[[4-[(hexyl)(pyridin-2-ylmethyl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 406678-93-1,
4-Chloro-N-[[5-[[4-[(cyclohexylmethyl)(hexyl)amino]piperidin-1-

yl)sulfonyl]thien-2-yl)methyl]benzamide 406678-94-2,
 N-[[5-[[4-[(Benzyl)(hexyl)amino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-
 4-chlorobenzamide 406678-95-3,
 4-Chloro-N-[[5-[[4-[(hexyl)(pyridin-3-ylmethyl)amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 406678-96-4,
 4-Chloro-N-[[5-[[4-[(hexyl)(pyridin-4-ylmethyl)amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 406678-97-5,
 N-[[5-[[4-[(5-Bromo-2-furyl)methyl](hexyl)amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]-4-chlorobenzamide 406678-98-6,
 N-[[5-[[4-[Butyl(hexyl)amino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-4-
 chlorobenzamide 406678-99-7,
 4-Chloro-N-[[5-[[4-[(hexyl)(3-phenylpropyl)amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 406679-00-3,
 4-Chloro-N-[[5-[[4-[(hexyl)(2-phenylethyl)amino]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 406679-01-4,
 4-Chloro-N-[[5-[[4-[(hexyl)(methyl)amino]piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 406679-30-9,
 3-Methoxy-N-[[5-[[4-[(pentylamino)methyl]piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 830331-16-3,
 4-Chloro-N-[[5-[[4-(4-phenoxy)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 830331-19-6,
 4-Chloro-N-[[5-[[4-(pyrimidin-2-ylamino)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 830331-20-9,
 4-Chloro-N-[[5-[[4-(2-phenylethyl)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 830331-34-5,
 4-Chloro-N-[[5-[[4-[5-(trifluoromethyl)-1H-1,2,3-benzotriazol-1-
 yl]piperidin-1-yl)sulfonyl]thien-2-yl)methyl]benzamide
 830331-35-6 830331-36-7 830331-37-8,
 4-Chloro-N-[[5-[[4-(5-chloro-1H-1,2,3-benzotriazol-1-yl)piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 830331-38-9,
 4-Chloro-N-[[5-[[4-(6-chloro-1H-1,2,3-benzotriazol-1-yl)piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 830331-39-0
 830331-40-3 830331-41-4,
 N-[[5-[[4-(1H-Benzimidazol-1-yl)piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-
 4-chlorobenzamide 830331-42-5,
 4-Chloro-N-[[5-[[4-(5-nitro-1H-benzimidazol-1-yl)piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 830331-43-6,
 4-Chloro-N-[[5-[[4-(6-nitro-1H-benzimidazol-1-yl)piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 830331-45-8
 830331-46-9, 4-Chloro-N-[[5-[[4-(2H-1,2,3-triazol-2-yl)piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 830331-47-0
 830331-48-1, 4-Chloro-N-[[5-[[4-(9H-purin-9-yl)piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 830331-49-2,
 N-[[5-[[4-(6-Amino-9H-purin-9-yl)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]-4-chlorobenzamide 830331-50-5,
 N-[[5-[[4-(2-Amino-9H-purin-9-yl)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]-4-chlorobenzamide 848557-18-6,
 4-Chloro-N-[[5-[[4-(4-fluorobenzoyl)piperidin-1-yl)sulfonyl]thien-2-
 yl)methyl]benzamide 848557-26-6,
 N-[[5-[[4-[Benzyl(methyl)amino]piperidin-1-yl)sulfonyl]thien-2-yl)methyl]-
 4-chlorobenzamide 848557-27-7,
 4-Chloro-N-[[5-[[4-[3-(2,4-dichlorophenyl)-1H-pyrazol-5-yl]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 848557-28-8,
 4-Chloro-N-[[5-[[4-[5-(thien-2-yl)-1H-pyrazol-3-yl]piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 848557-29-9,
 4-Chloro-N-[[5-[[4-(2,3,4,5,6-pentamethylbenzoyl)piperidin-1-
 yl)sulfonyl]thien-2-yl)methyl]benzamide 848557-31-3,

4-Chloro-N-[[5-[[4-[5-(4-methoxyphenyl)-1H-pyrazol-3-yl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-32-4,
 N-[[5-[[4-(Anilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-36-8 848557-37-9,
 4-Chloro-N-[[5-[[4-(3-propylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-38-0,
 4-Chloro-N-[[5-[[4-[3-(trifluoromethyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-39-1,
 4-Chloro-N-[[5-[[4-[3-(dimethylamino)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-40-4, Methyl
 3-[[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]thien-2-yl]sulfonyl]piperidin-4-yl]amino]benzoate 848557-41-5,
 4-Chloro-N-[[5-[[4-[3-(methylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-42-6,
 4-Chloro-N-[[5-[[4-(3-nitroanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-43-7,
 4-Chloro-N-[[5-[[4-(2-methoxyanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-44-8,
 3-[[1-[[5-[[4-(4-Chlorobenzoyl)amino]methyl]thien-2-yl]sulfonyl]piperidin-4-yl]amino]benzamide 848557-45-9,
 4-Chloro-N-[[5-[[4-[2-(trifluoromethyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-46-0,
 4-Chloro-N-[[5-[[4-[2-nitro-4-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-47-1,
 4-Chloro-N-[[5-[[4-(4-chloroanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-48-2,
 4-Chloro-N-[[5-[[4-[4-(trifluoromethyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-49-3,
 4-Chloro-N-[[5-[[4-[4-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-50-6,
 4-Chloro-N-[[5-[[4-(2-nitroanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-51-7,
 N-[[5-[[4-[4-(Aminocarbonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-52-8,
 4-Chloro-N-[[5-[[4-[4-(1,3-dithiolan-2-yl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-53-9,
 N-[[5-[[4-(3-Chloroanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848557-54-0,
 4-Chloro-N-[[5-[[4-(3-chloroanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-55-1,
 4-Chloro-N-[[5-[[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-56-2,
 4-Chloro-N-[[5-[[4-[3-(methylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-57-3,
 N-[[5-[[4-[3-[Amino(imino)methyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-58-4,
 4-Chloro-N-[[5-[[4-[3-[(2-hydroxyethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-59-5,
 N-[[5-[[4-(2-Aminoanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-60-8,
 4-Chloro-N-[[5-[[4-(2-hydroxyanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-61-9,
 4-Chloro-N-[[5-[[4-(4-hydroxyanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-62-0,
 4-Chloro-N-[[5-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-63-1
 848557-64-2, 4-Chloro-N-[[5-[[4-[3-chloro-5-

(trifluoromethyl)pyridin-2-yl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-65-3,
 4-Chloro-N-[[5-[[4-[3-(1,3-oxazol-5-yl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-66-4,
 N-[[5-[[4-(3-tert-Butylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide
 848557-67-5, 4-Chloro-N-[[5-[[4-(2-propylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-68-6,
 4-Chloro-N-[[5-[[4-[(2,2-dioxido-1,3-dihydrobenzo[c]thien-5-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-69-7,
 4-Chloro-N-[[5-[[4-[(2,3-dihydro-1H-inden-5-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-70-0,
 4-Chloro-N-[[5-[[4-(4-propylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-71-1,
 4-Chloro-N-[[5-[[4-[(3-nitropyridin-2-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-72-2,
 N-[[5-[[4-[(3-Aminopyridin-2-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-73-3,
 N-[[5-[[4-[(1,1'-Biphenyl]-3-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-74-4,
 N-[[5-[[4-(3-Benzylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-75-5,
 4-Chloro-N-[[5-[[4-[4-(morpholin-4-ylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-76-6,
 4-Chloro-N-[[5-[[4-[[4-(trifluoromethyl)pyrimidin-2-yl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-77-7,
 4-Chloro-N-[[5-[[4-(3-cyclohexyl-4-hydroxyanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-78-8,
 N-[[5-[[4-[3-[(Butylamino)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-79-9,
 4-Chloro-N-[[5-[[4-(3-ethylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-80-2,
 4-Chloro-N-[[5-[[4-(5,6,7,8-tetrahydronaphthalen-1-ylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-81-3,
 N-[[5-[[4-[3-(Aminosulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-chlorobenzamide 848557-82-4,
 4-Chloro-N-[[5-[[4-(quinolin-5-ylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-83-5,
 4-Chloro-N-[[5-[[4-(quinolin-8-ylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-84-6,
 4-Chloro-N-[[5-[[4-[(3-propylphenyl)oxy]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-87-9,
 4-Nitro-N-[[5-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-88-0,
 N-[[5-[[4-(1H-1,2,3-Benzotriazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848557-89-1,
 N-[[5-[[4-(2,4-Difluorobenzoyl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848557-90-4,
 N-[[5-[[4-(1H-1,2,3-Benzotriazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848557-91-5,
 3-Nitro-N-[[5-[[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-92-6,
 3-Nitro-N-[[5-[[4-[3-(trifluoromethyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848557-93-7,
 N-[[5-[[4-[3-(Dimethylamino)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848557-94-8,
 3-Nitro-N-[[5-[[4-[3-(methylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-

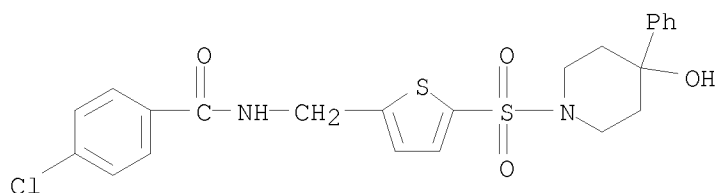
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3-Nitro-N-[[5-[[4-[3-(methylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-
2-yl)methyl]benzamide 848557-96-0,
N-[[5-[[4-[3-(Aminosulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]-3-nitrobenzamide 848557-97-1, Methyl
3-[[1-[[5-[[3-(3-nitrobenzoyl)amino]methyl]thien-2-yl]sulfonyl]piperidin-4-
yl]amino]benzoate 848557-98-2,
N-[[5-[[4-[3-(Aminocarbonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]-3-nitrobenzamide 848557-99-3,
3-Nitro-N-[[5-[[4-(3-nitroanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-00-9,
3-Nitro-N-[[5-[[4-(2-methoxyanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-01-0,
3-Nitro-N-[[5-[[4-[2-(trifluoromethyl)anilino]piperidin-1-
yl]sulfonyl]thien-2-yl)methyl]benzamide 848558-02-1,
3-Nitro-N-[[5-[[4-(2-nitroanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-03-2,
N-[[5-[[4-(4-Chloroanilino)piperidin-1-yl]sulfonyl]thien-2-yl)methyl]-3-
nitrobenzamide 848558-04-3,
3-Nitro-N-[[5-[[4-[4-(trifluoromethyl)anilino]piperidin-1-
yl]sulfonyl]thien-2-yl)methyl]benzamide 848558-05-4,
3-Nitro-N-[[5-[[4-[4-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-
yl]sulfonyl]thien-2-yl)methyl]benzamide 848558-06-5,
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N-[[5-[[4-(3-Propylanilino)piperidin-1-yl]sulfonyl]thien-2-yl)methyl]-3-
nitrobenzamide 848558-08-7,
N-[[5-[[4-(3-Chloroanilino)piperidin-1-yl]sulfonyl]thien-2-yl)methyl]-4-
nitrobenzamide 848558-09-8,
4-Nitro-N-[[5-[[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-10-1,
4-Nitro-N-[[5-[[4-[3-(trifluoromethyl)anilino]piperidin-1-
yl]sulfonyl]thien-2-yl)methyl]benzamide 848558-11-2,
N-[[5-[[4-[3-(Dimethylamino)anilino]piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]-4-nitrobenzamide 848558-12-3,
4-Nitro-N-[[5-[[4-(3-propylanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-13-4,
4-Nitro-N-[[5-[[4-[3-(methylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-
2-yl)methyl]benzamide 848558-14-5,
4-Nitro-N-[[5-[[4-[3-(methylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-
2-yl)methyl]benzamide 848558-15-6,
N-[[5-[[4-[3-(Aminosulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]-4-nitrobenzamide 848558-16-7,
3-[[1-[[5-[[4-(4-Nitrobenzoyl)amino]methyl]thien-2-yl]sulfonyl]piperidin-4-
yl]amino]benzamide 848558-17-8,
4-Nitro-N-[[5-[[4-(3-nitroanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-18-9,
4-Nitro-N-[[5-[[4-(2-methoxyanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-19-0,
4-Nitro-N-[[5-[[4-[2-(trifluoromethyl)anilino]piperidin-1-
yl]sulfonyl]thien-2-yl)methyl]benzamide 848558-20-3,
4-Nitro-N-[[5-[[4-(2-nitroanilino)piperidin-1-yl]sulfonyl]thien-2-
yl)methyl]benzamide 848558-21-4,
N-[[5-[[4-(4-Chloroanilino)piperidin-1-yl]sulfonyl]thien-2-yl)methyl]-4-
nitrobenzamide 848558-22-5,
4-Nitro-N-[[5-[[4-[4-(trifluoromethyl)anilino]piperidin-1-
yl]sulfonyl]thien-2-yl)methyl]benzamide 848558-23-6,

4-Nitro-N-[[5-[[4-[4-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-24-7,
 N-[[5-[[4-[4-(Aminocarbonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848558-25-8,
 N-[[5-[[4-[4-(1,3-Dithiolan-2-yl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848558-26-9,
 N-[[5-[[4-[3-[Amino(imino)methyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848558-27-0,
 N-[[5-[[4-[3-[(2-Hydroxyethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848558-28-1,
 N-[[5-[(4-Anilinopiperidin-1-yl)sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848558-29-2,
 N-[[5-[[4-[3-[(2-Hydroxyethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848558-30-5,
 N-[[5-[(4-Anilinopiperidin-1-yl)sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848558-31-6,
 N-[[5-[[4-[3-[Amino(imino)methyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848558-32-7,
 3-Nitro-N-[[5-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-33-8,
 4-Nitro-N-[[5-[[4-[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-34-9,
 3-Nitro-N-[[5-[[4-[(3-nitropyridin-2-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-35-0,
 N-[[5-[[4-[(2,2-Dioxido-1,3-dihydrobenzo[c]thien-5-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848558-36-1,
 N-[[5-[[4-[(2,3-Dihydro-1H-inden-5-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(antidiabetic agent; thiophenesulfonamide derivs. for treatment of diabetes)

RN 332415-52-8 CAPLUS

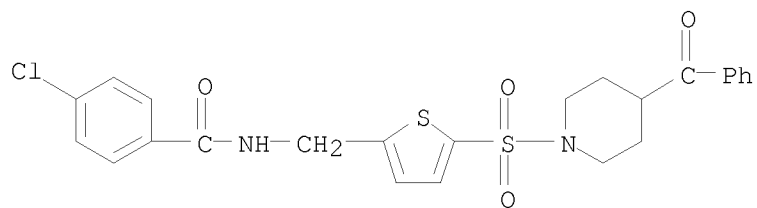
CN Benzamide, 4-chloro-N-[[5-[(4-hydroxy-4-phenyl-1-piperidinyl)sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 332415-54-0 CAPLUS

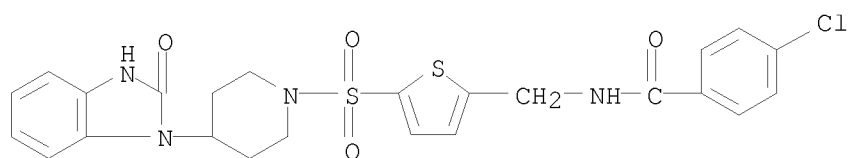
CN Benzamide, N-[[5-[(4-benzoyl-1-piperidinyl)sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

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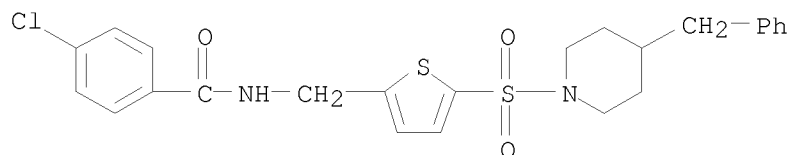
RN 332415-57-3 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



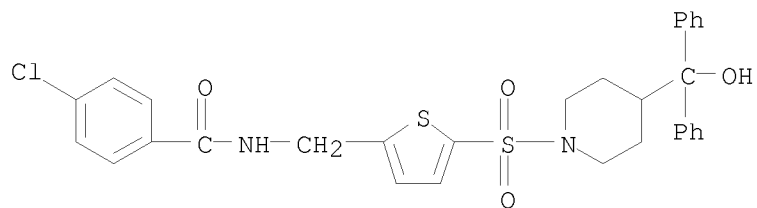
RN 332415-59-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(phenylmethyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



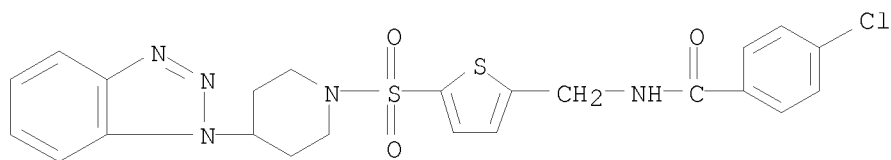
RN 332415-65-3 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(hydroxydiphenylmethyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



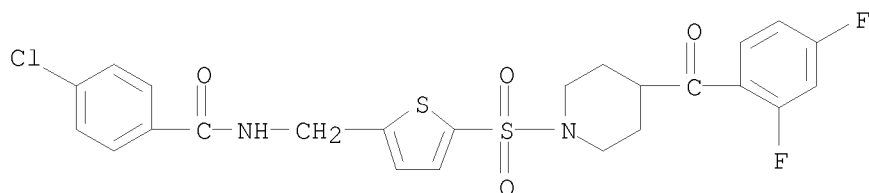
RN 332415-75-5 CAPLUS

CN Benzamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



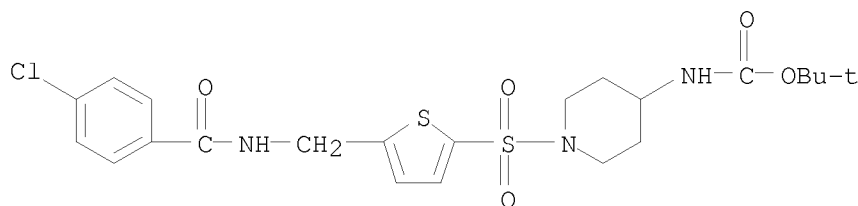
RN 332415-79-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(2,4-difluorobenzoyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



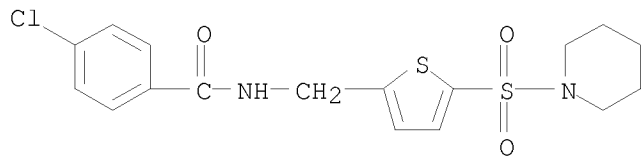
RN 332416-11-2 CAPLUS

CN Carbamic acid, [1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



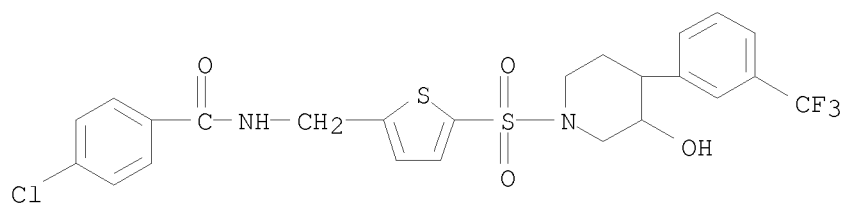
RN 332416-15-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-(1-piperidinylsulfonyl)-2-thienyl]methyl]- (CA INDEX NAME)

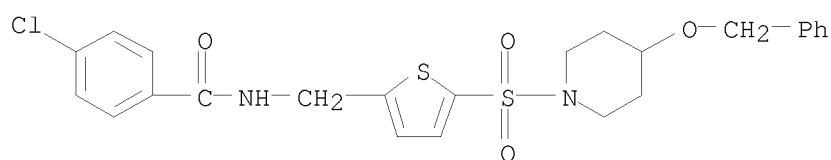


RN 332416-22-5 CAPLUS

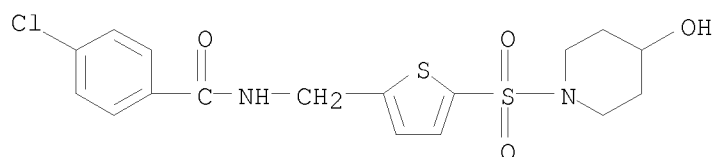
CN Benzamide, 4-chloro-N-[[5-[[3-hydroxy-4-[3-(trifluoromethyl)phenyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



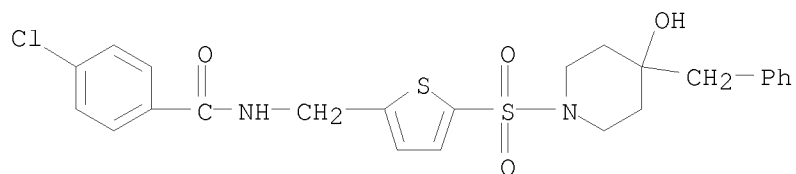
RN 332416-25-8 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[[4-(phenylmethoxy)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



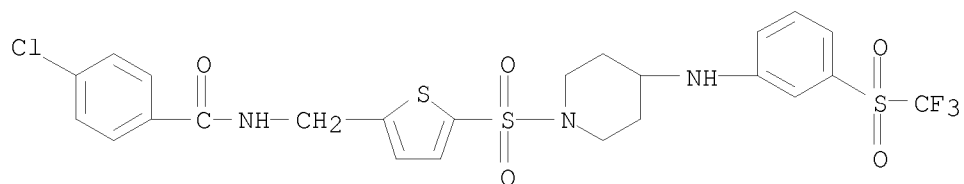
RN 332416-27-0 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[(4-hydroxy-1-piperidinyl)sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 332416-32-7 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[[4-(phenylmethyl)-4-hydroxy-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

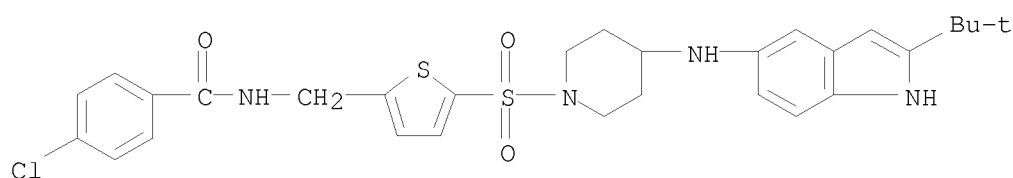


RN 332416-33-8 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



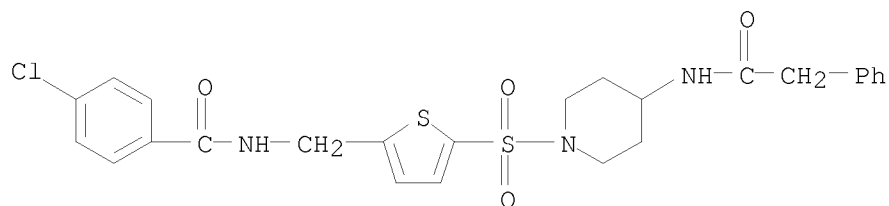
RN 332416-34-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(1,1-dimethylethyl)-1H-indol-5-yl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



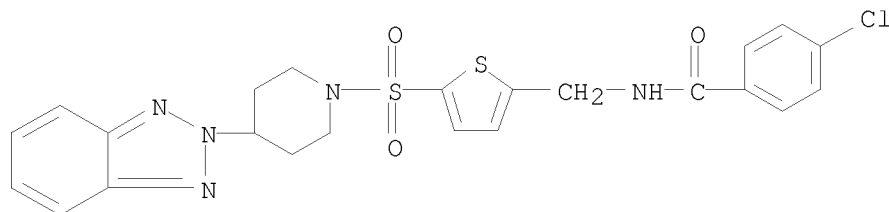
RN 332416-35-0 CAPLUS

CN Benzeneacetamide, N-[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]- (CA INDEX NAME)



RN 332416-40-7 CAPLUS

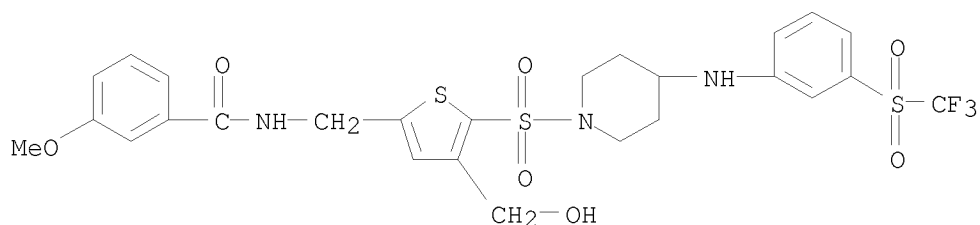
CN Benzamide, N-[[5-[[4-(2H-benzotriazol-2-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



RN 332421-97-3 CAPLUS

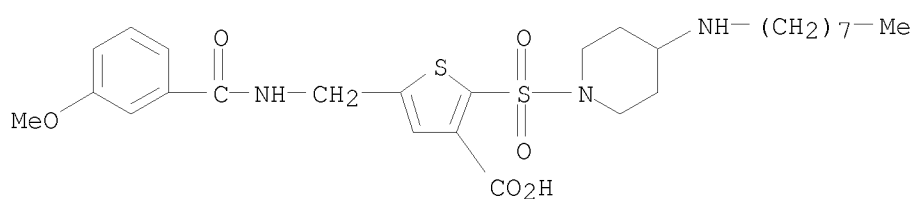
CN Benzamide, 4-chloro-N-[[5-[[4-(4-chlorobenzoyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)

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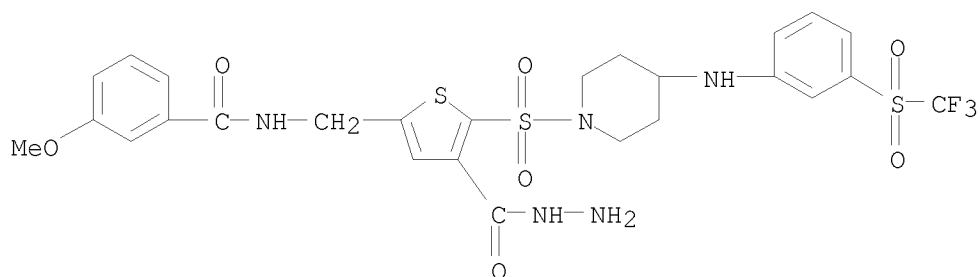
RN 406487-03-4 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[[4-(octylamino)-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



RN 406487-04-5 CAPLUS

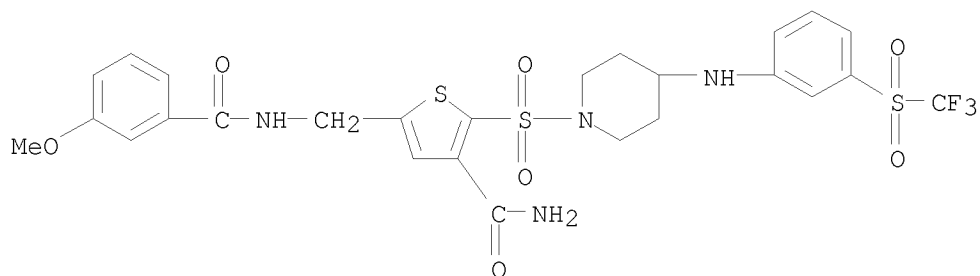
CN 3-Thiophenecarboxylic acid, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-, hydrazide (CA INDEX NAME)



RN 406487-05-6 CAPLUS

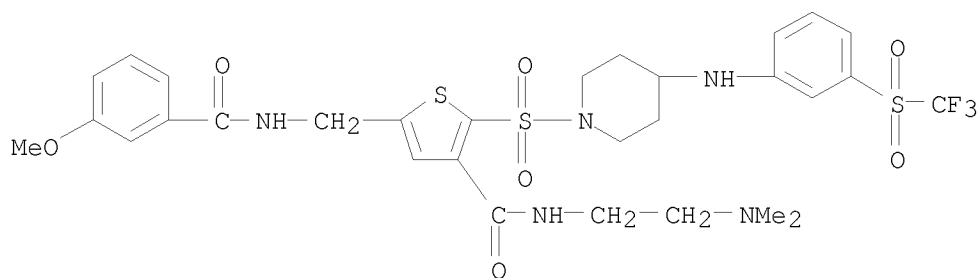
CN 3-Thiophenecarboxamide, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)

10/070,954



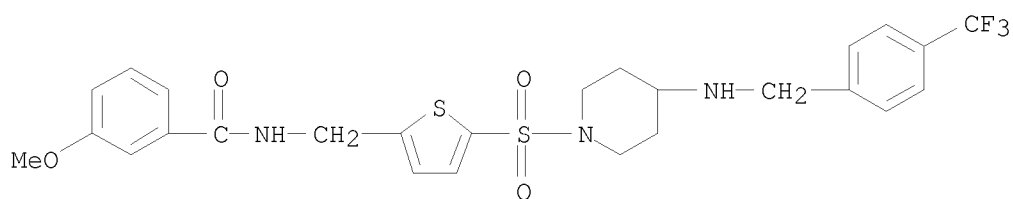
RN 406487-06-7 CAPLUS

CN 3-Thiophenecarboxamide, N-[2-(dimethylamino)ethyl]-5-[[[3-methoxybenzoyl)amino)methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



RN 406677-95-0 CAPLUS

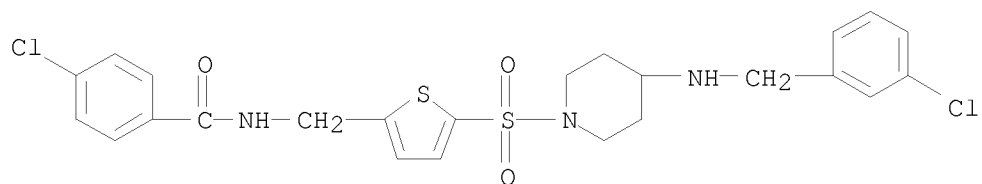
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406677-96-1 CAPLUS

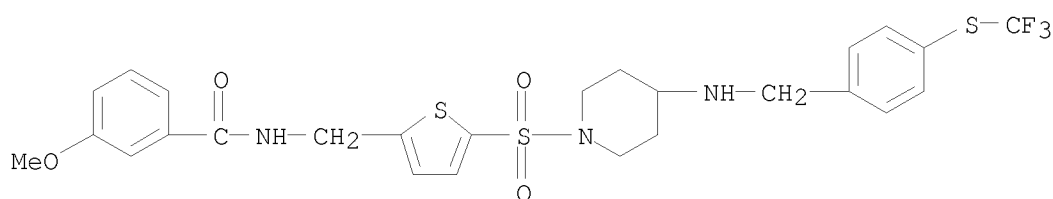
CN Benzamide, 4-chloro-N-[[5-[[4-[[[3-chlorophenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



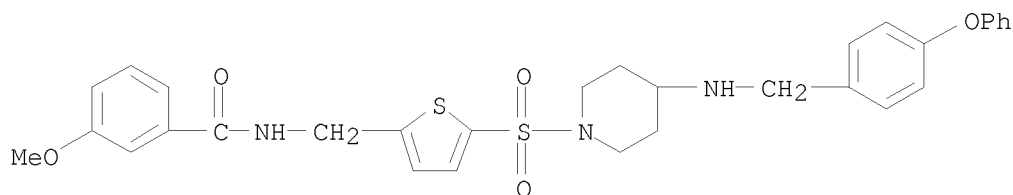
RN 406677-98-3 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(trifluoromethyl)thio]phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



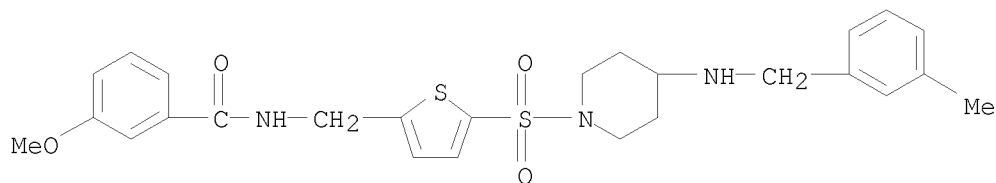
RN 406677-99-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(4-phenoxyphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-01-1 CAPLUS

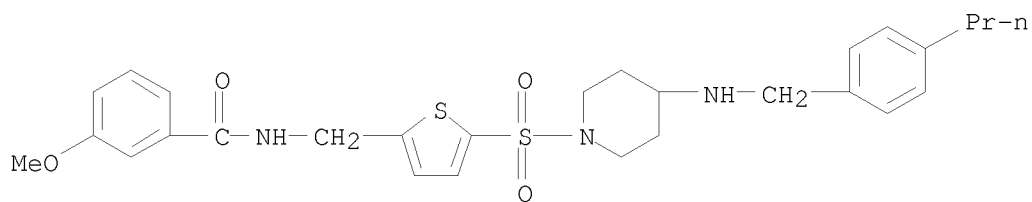
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(3-methylphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-02-2 CAPLUS

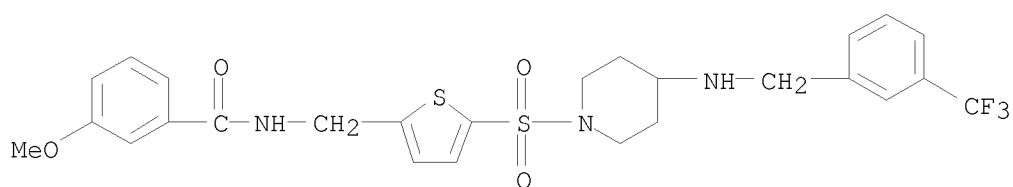
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(4-propylphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



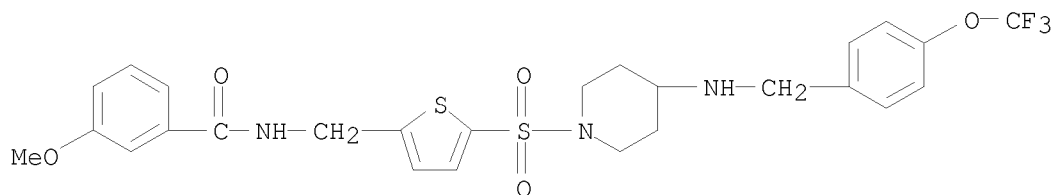
RN 406678-03-3 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[3-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



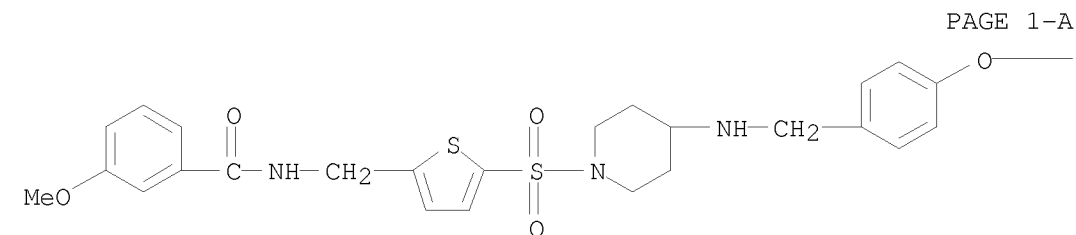
RN 406678-04-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(trifluoromethoxy)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-05-5 CAPLUS

CN Benzamide, N-[[5-[[4-[[[4-(difluoromethoxy)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

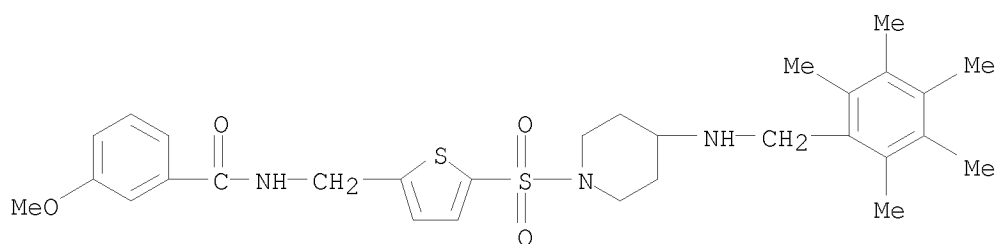


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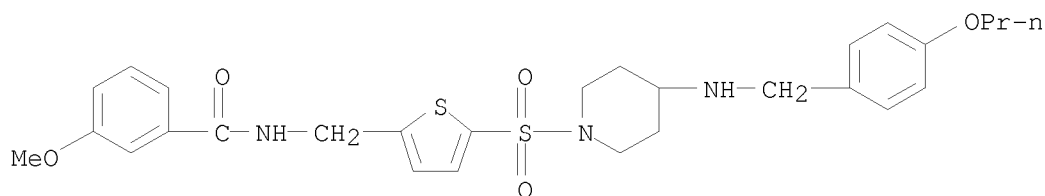
RN 406678-06-6 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(2,3,4,5,6-pentamethylphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]-
(CA INDEX NAME)



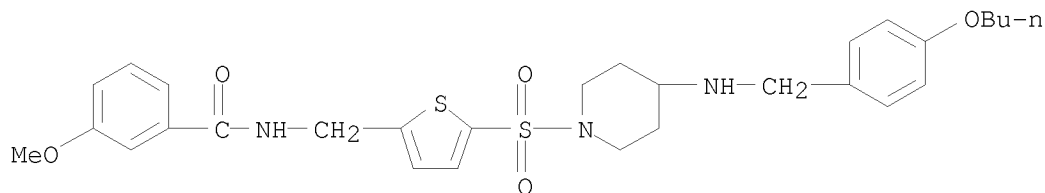
RN 406678-07-7 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(4-propoxyphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-08-8 CAPLUS

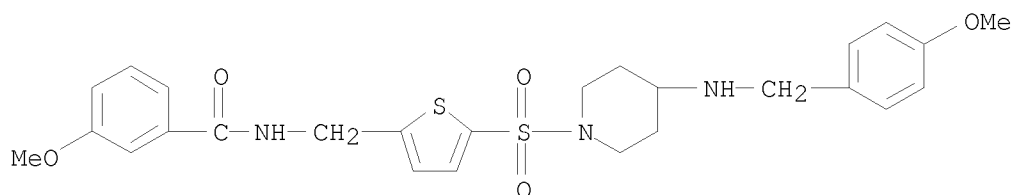
CN Benzamide, N-[[5-[[4-[[[(4-butoxyphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-09-9 CAPLUS

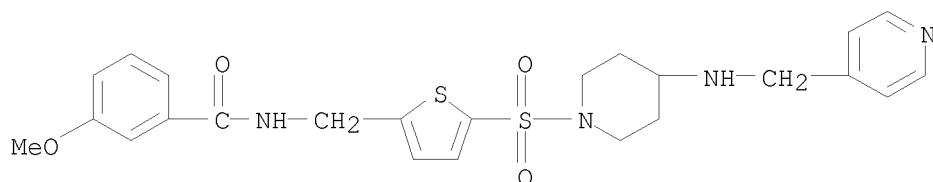
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(4-methoxyphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



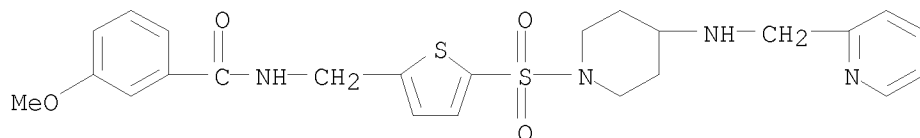
RN 406678-10-2 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(4-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



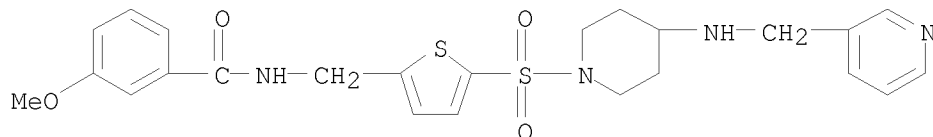
RN 406678-11-3 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(2-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



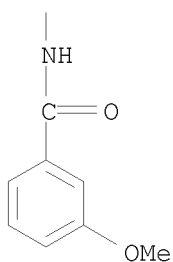
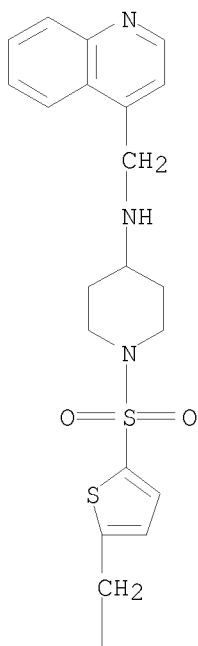
RN 406678-12-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(3-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

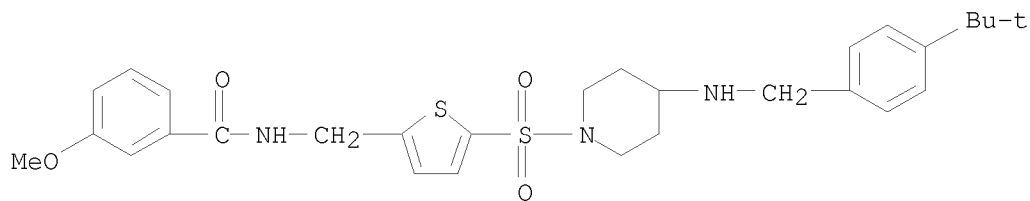


RN 406678-13-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(4-quinolinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



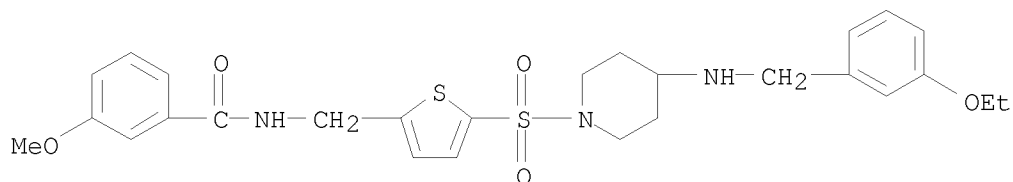
RN 406678-14-6 CAPLUS
 CN Benzamide, N-[[5-[[4-[[[4-(1,1-dimethylethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-15-7 CAPLUS

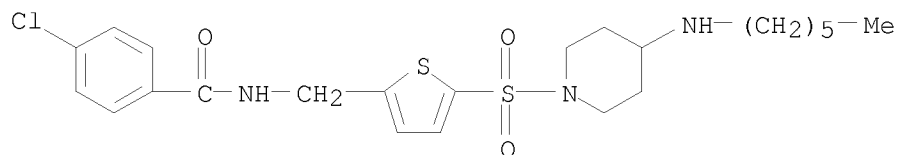
10/070,954

CN Benzamide, N-[[5-[[4-[[3-ethoxyphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



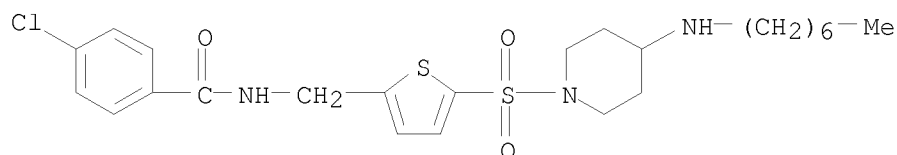
RN 406678-16-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



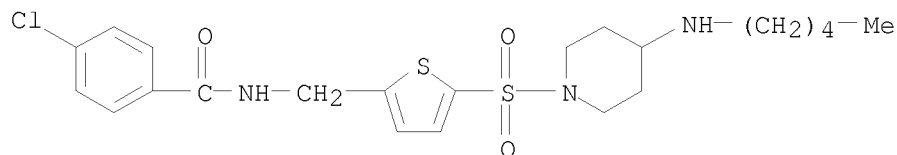
RN 406678-17-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(heptylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-18-0 CAPLUS

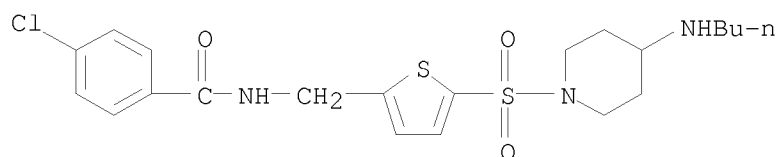
CN Benzamide, 4-chloro-N-[[5-[[4-(pentylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-19-1 CAPLUS

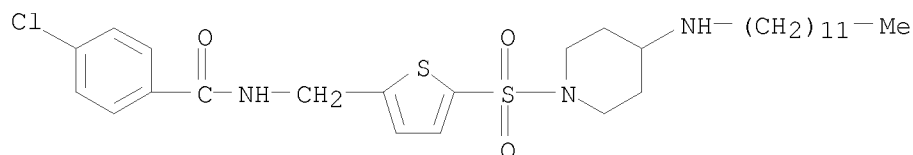
CN Benzamide, N-[[5-[[4-(butylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

10/070,954



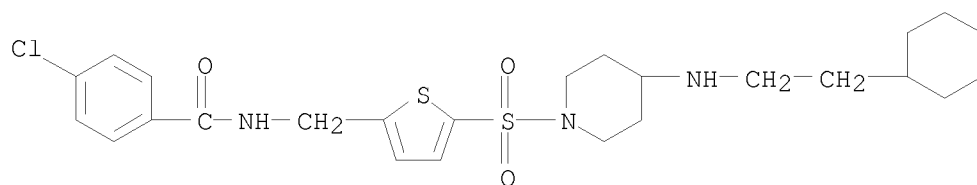
RN 406678-20-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(dodecylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



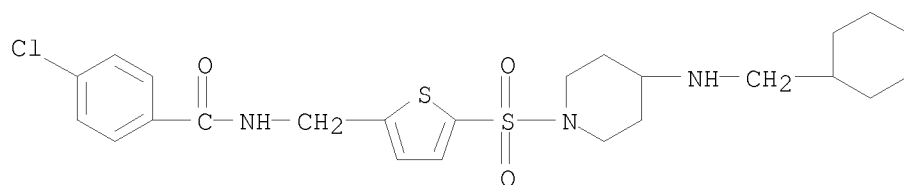
RN 406678-22-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(2-cyclohexylethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-23-7 CAPLUS

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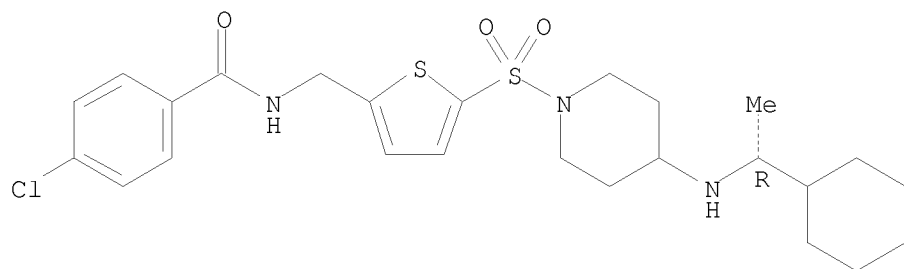


RN 406678-24-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(1R)-1-cyclohexylethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

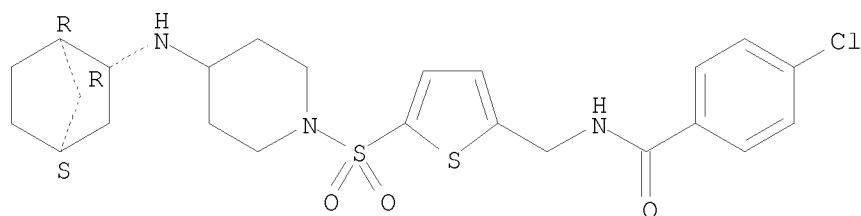
10/070,954



RN 406678-25-9 CAPLUS

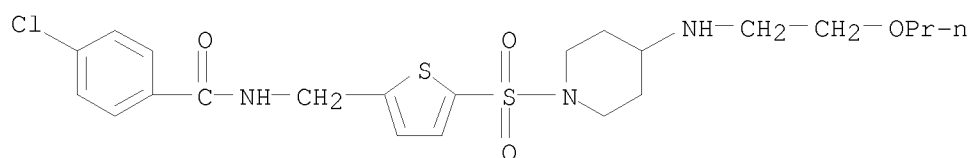
CN Benzamide, N-[[5-[[4-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-ylamino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

Absolute stereochemistry.



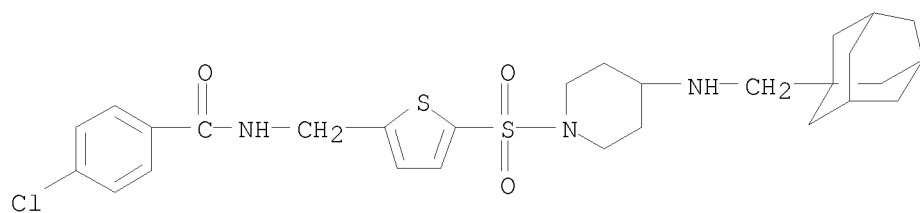
RN 406678-26-0 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(2-propoxyethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



RN 406678-27-1 CAPLUS

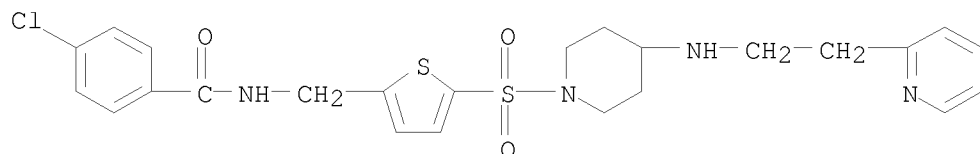
CN Benzamide, 4-chloro-N-[[5-[[4-[(tricyclo[3.3.1.1^{3,7}]dec-1-ylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



RN 406678-28-2 CAPLUS

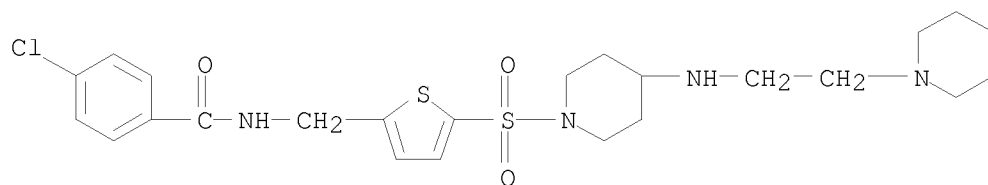
10/070,954

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(2-pyridinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



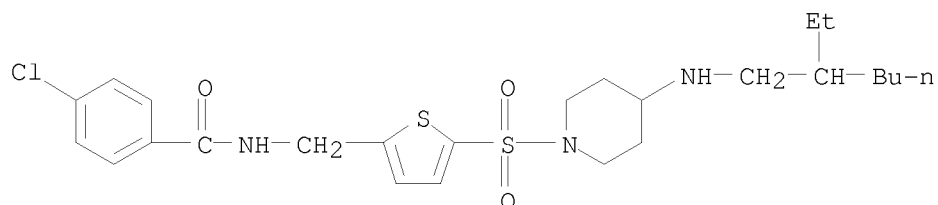
RN 406678-29-3 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(1-piperidinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



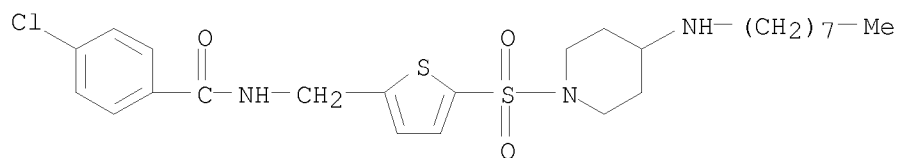
RN 406678-30-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(ethylhexyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-31-7 CAPLUS

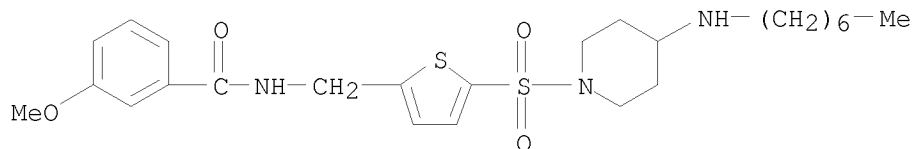
CN Benzamide, 4-chloro-N-[[5-[[4-(octylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-32-8 CAPLUS

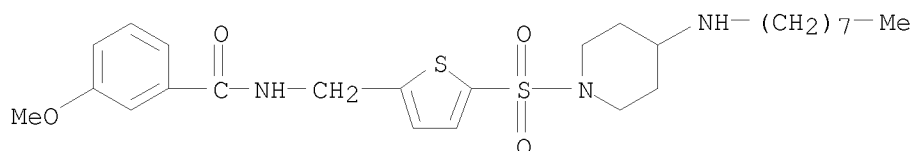
CN Benzamide, N-[[5-[[4-(heptylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



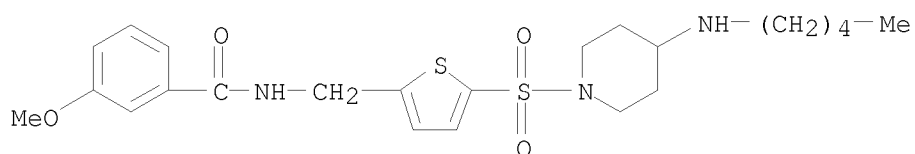
RN 406678-33-9 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-(octylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



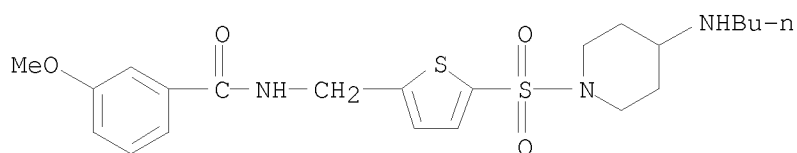
RN 406678-34-0 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-(pentylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



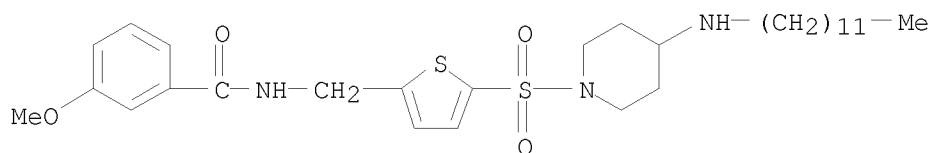
RN 406678-35-1 CAPLUS

CN Benzamide, N-[[5-[[4-(butylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-36-2 CAPLUS

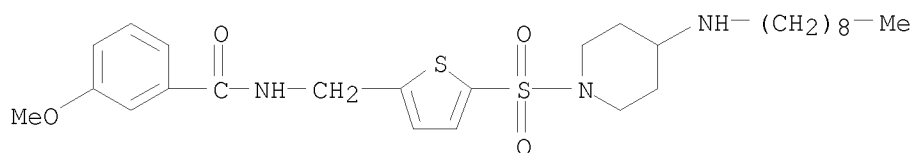
CN Benzamide, N-[[5-[[4-(dodecylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-37-3 CAPLUS

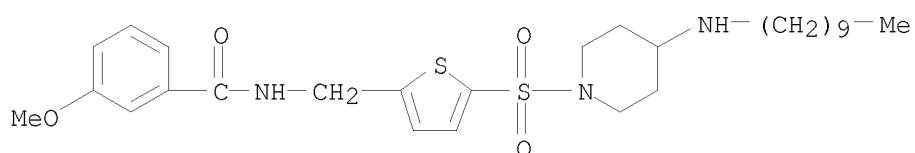
10/070,954

CN Benzamide, 3-methoxy-N-[[5-[[4-(nonylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



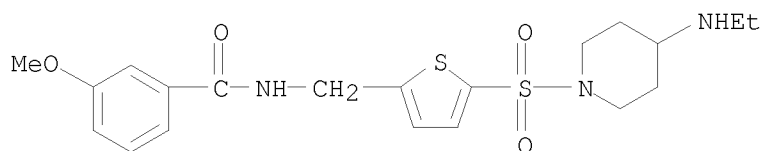
RN 406678-38-4 CAPLUS

CN Benzamide, N-[[5-[[4-(decylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



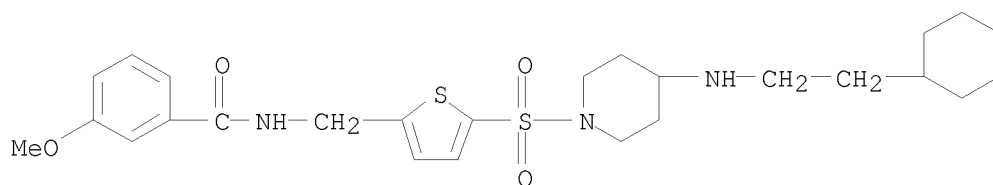
RN 406678-39-5 CAPLUS

CN Benzamide, N-[[5-[[4-(ethylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-40-8 CAPLUS

CN Benzamide, N-[[5-[[4-[(2-cyclohexylethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

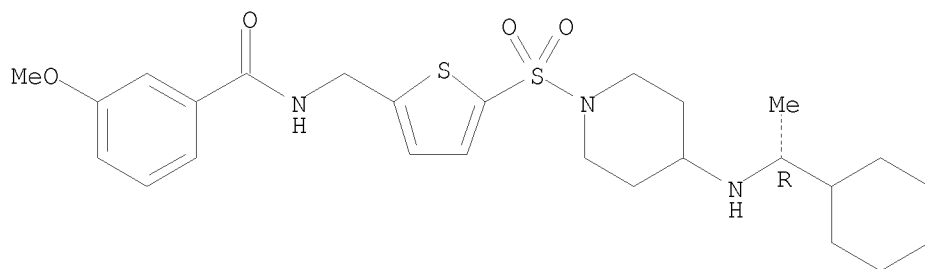


RN 406678-41-9 CAPLUS

CN Benzamide, N-[[5-[[4-[(1R)-1-cyclohexylethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

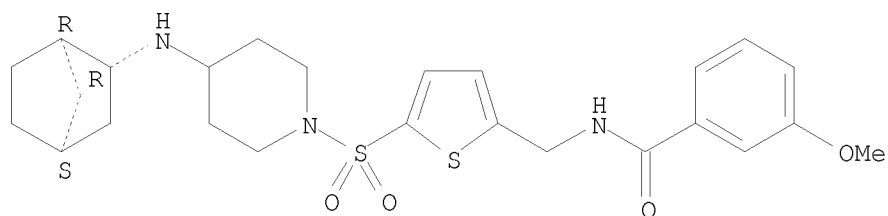
Absolute stereochemistry.

10/070,954

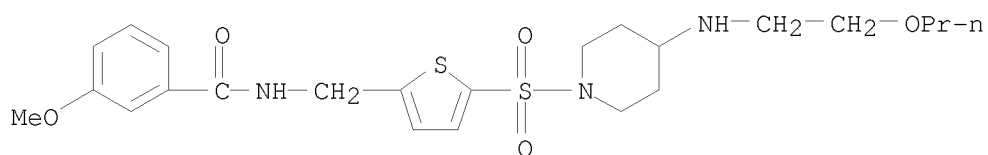


RN 406678-42-0 CAPLUS
CN Benzamide, N-[[5-[[4-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-ylamino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

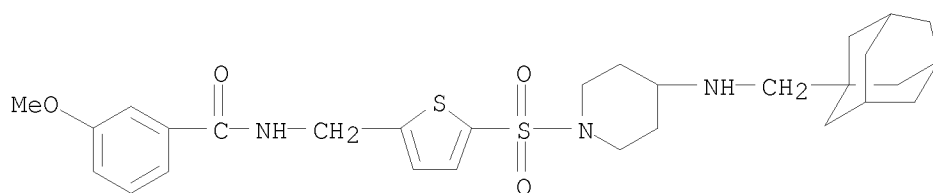
Absolute stereochemistry.



RN 406678-43-1 CAPLUS
CN Benzamide, 3-methoxy-N-[[5-[[4-[(2-propoxyethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

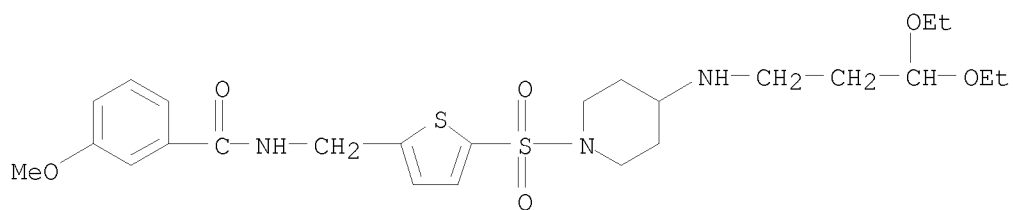


RN 406678-44-2 CAPLUS
CN Benzamide, 3-methoxy-N-[[5-[[4-[(tricyclo[3.3.1.1^{3,7}]dec-1-ylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



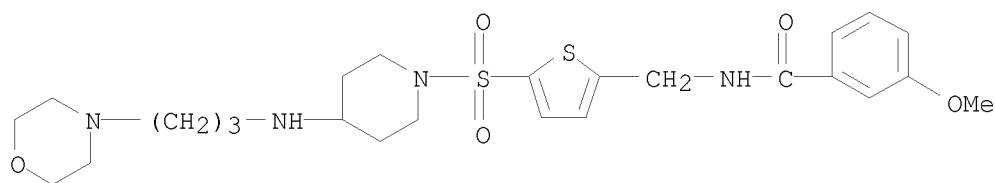
RN 406678-45-3 CAPLUS
CN Benzamide, N-[[5-[[4-[(3,3-diethoxypropyl)amino]-1-piperidinyl]sulfonyl]-2-

thienyl)methyl]-3-methoxy- (CA INDEX NAME)



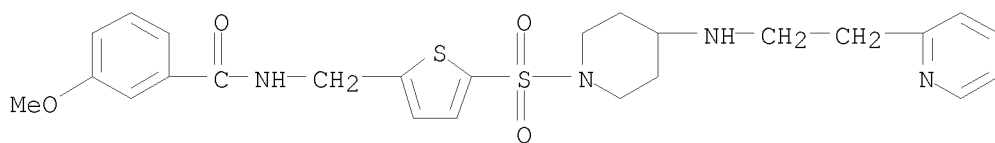
RN 406678-46-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(4-morpholinyl)propyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



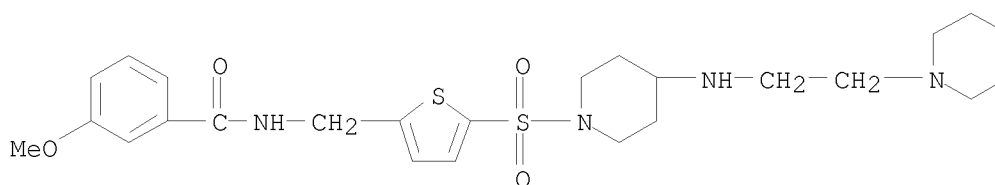
RN 406678-47-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(2-pyridinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



RN 406678-48-6 CAPLUS

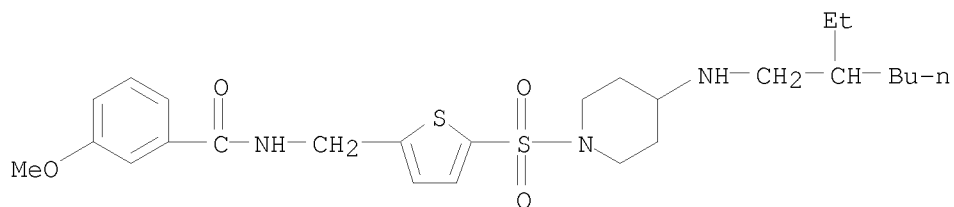
CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(1-piperidinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



RN 406678-49-7 CAPLUS

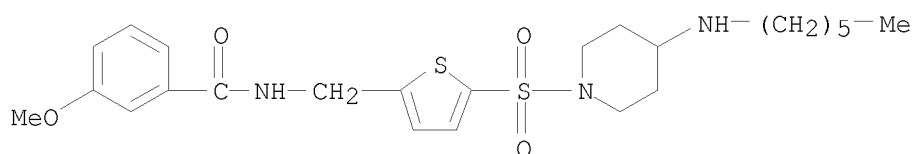
CN Benzamide, N-[[5-[[4-[(2-ethylhexyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



RN 406678-50-0 CAPLUS

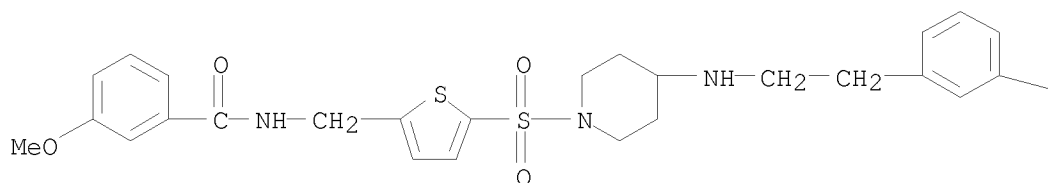
CN Benzamide, N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-51-1 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-[3-(trifluoromethyl)phenyl]ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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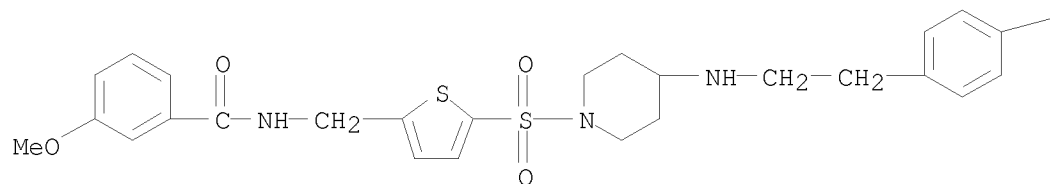
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RN 406678-52-2 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(4-methylphenyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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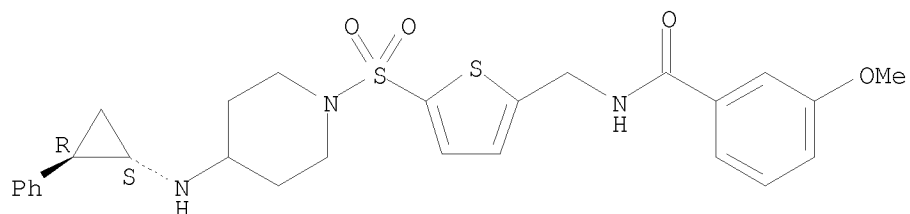
PAGE 1-B

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RN 406678-53-3 CAPLUS

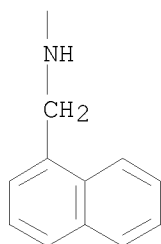
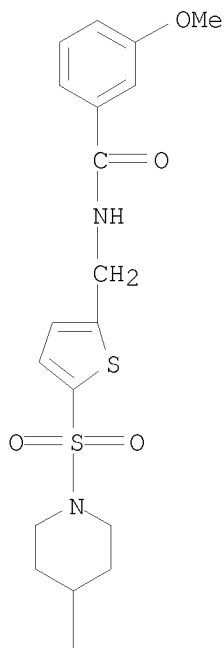
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(1S,2R)-2-phenylcyclopropyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



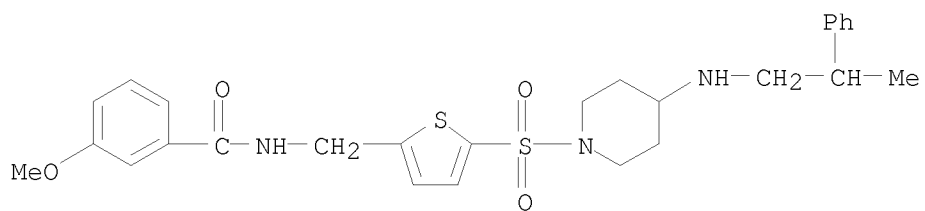
RN 406678-55-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(1-naphthalenylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-57-7 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(2-phenylpropyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

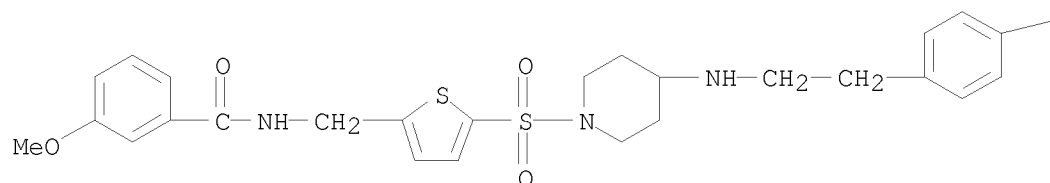


RN 406678-58-8 CAPLUS

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CN Benzamide, N-[[5-[[4-[[2-(4-hydroxyphenyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

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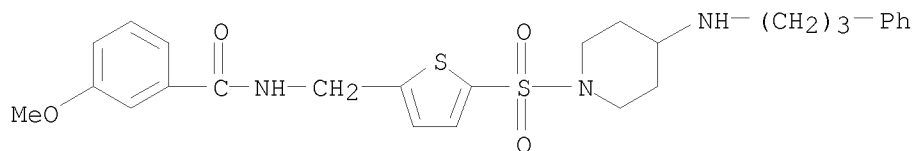


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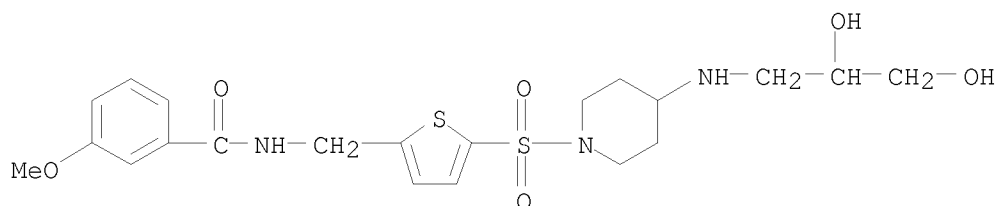
RN 406678-59-9 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(3-phenylpropyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



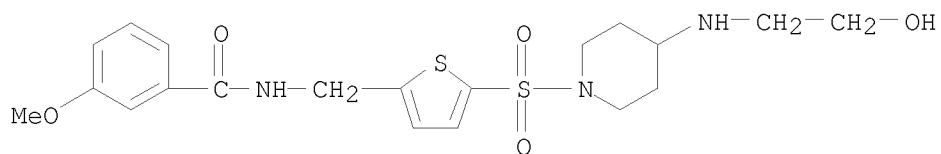
RN 406678-60-2 CAPLUS

CN Benzamide, N-[[5-[[4-[(2,3-dihydroxypropyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-61-3 CAPLUS

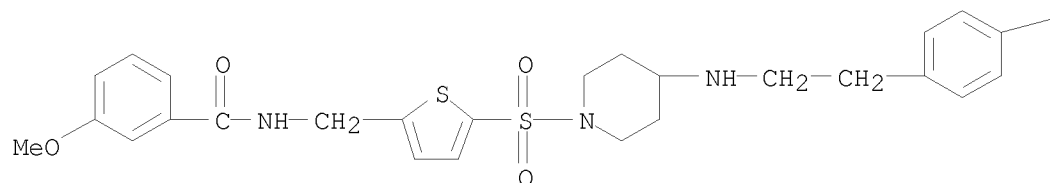
CN Benzamide, N-[[5-[[4-[(2-hydroxyethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



10/070,954

RN 406678-62-4 CAPLUS
CN Benzamide, N-[[5-[[4-[(2-[1,1'-biphenyl]-4-ylethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

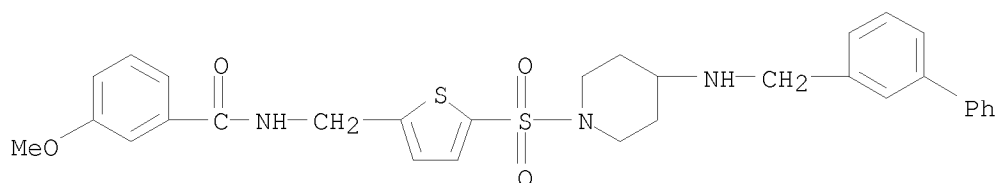
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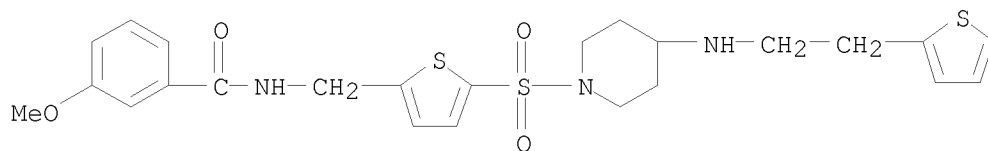
PAGE 1-B

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RN 406678-63-5 CAPLUS
CN Benzamide, N-[[5-[[4-[(1-[1'-biphenyl]-3-ylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

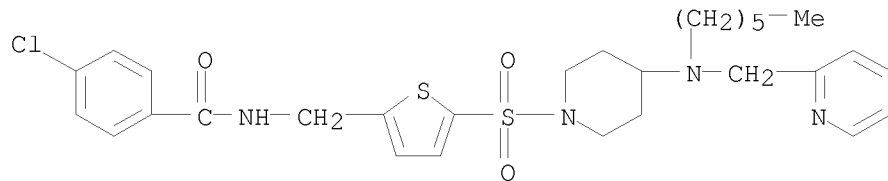


RN 406678-64-6 CAPLUS
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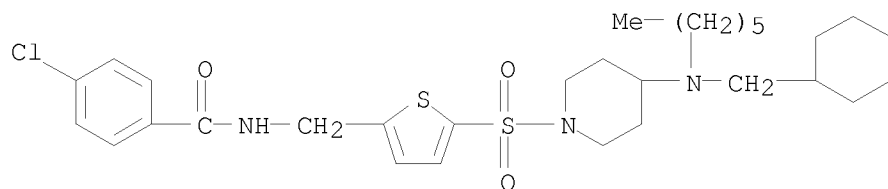
RN 406678-92-0 CAPLUS
CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(2-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



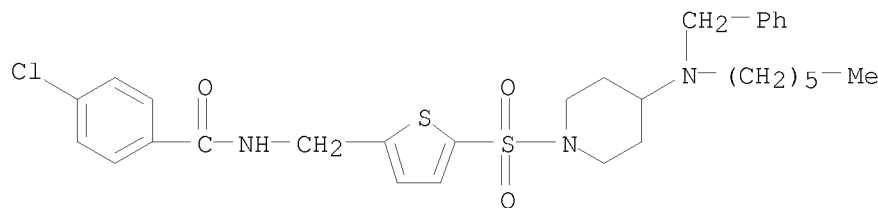
RN 406678-93-1 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(cyclohexylmethyl)hexylamino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



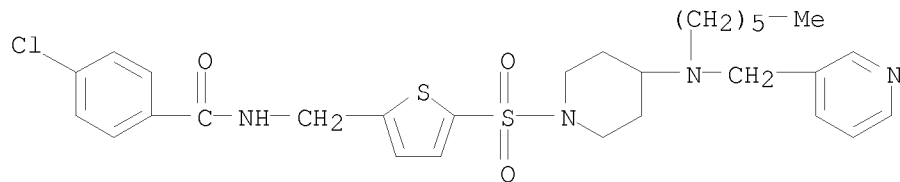
RN 406678-94-2 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(phenylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-95-3 CAPLUS

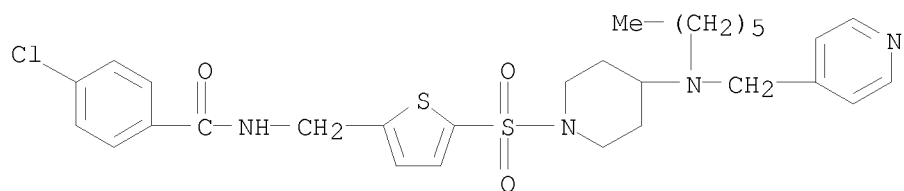
CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(3-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-96-4 CAPLUS

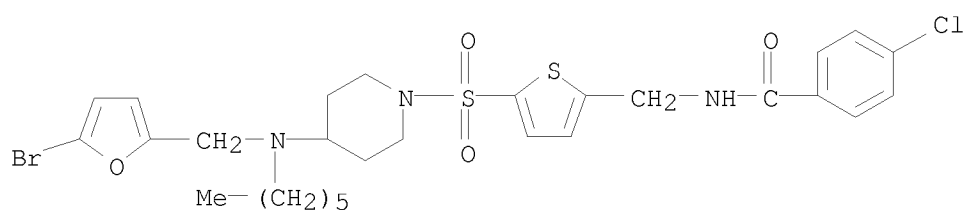
CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(4-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



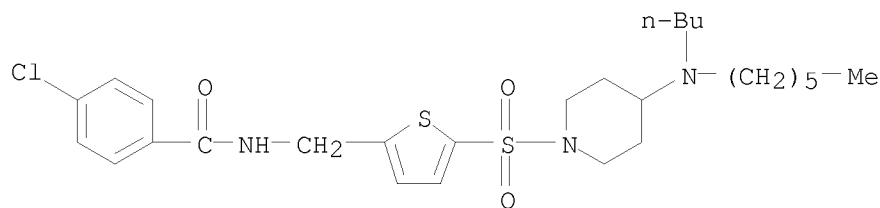
RN 406678-97-5 CAPLUS

CN Benzamide, N-[[5-[[4-[[5-(4-chlorophenyl)hexyl]thienyl]methyl]piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



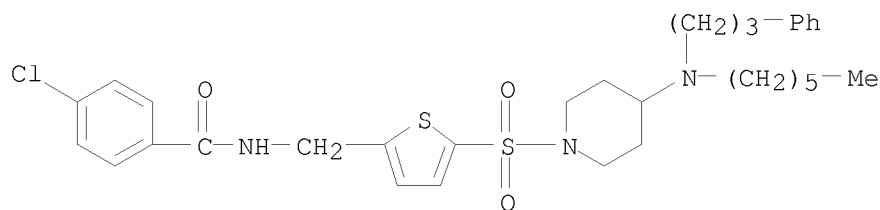
RN 406678-98-6 CAPLUS

CN Benzamide, N-[[5-[[4-[[5-(4-chlorophenyl)hexyl]thienyl]methyl]piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



RN 406678-99-7 CAPLUS

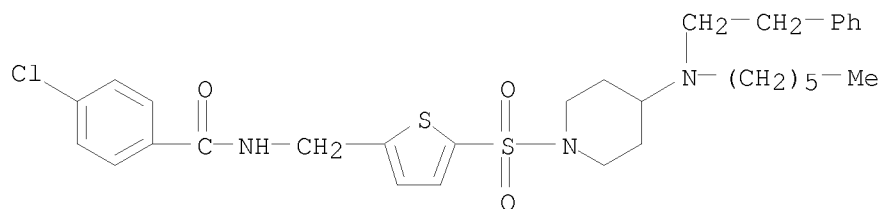
CN Benzamide, 4-chloro-N-[[5-[[4-[[5-(4-chlorophenyl)hexyl]thienyl]methyl]piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406679-00-3 CAPLUS

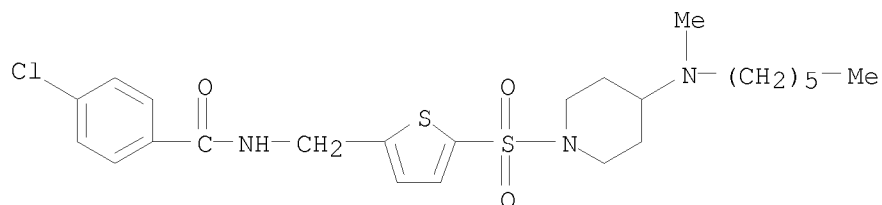
CN Benzamide, 4-chloro-N-[[5-[[4-[[5-(4-chlorophenyl)hexyl]thienyl]methyl]piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



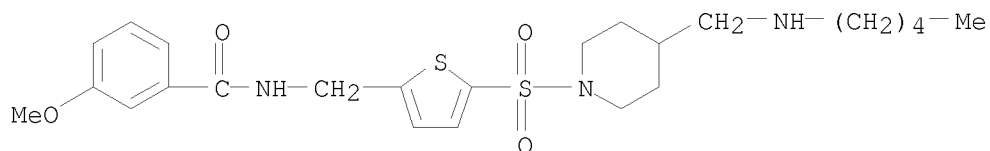
RN 406679-01-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(hexylmethylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



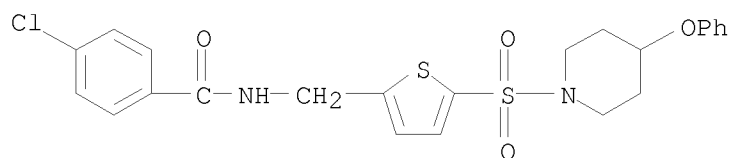
RN 406679-30-9 CAPLUS

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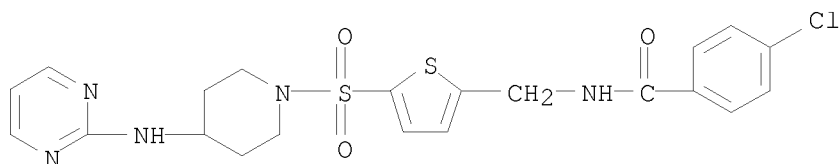
RN 830331-16-3 CAPLUS

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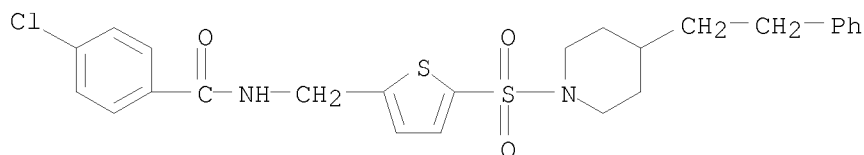
RN 830331-19-6 CAPLUS

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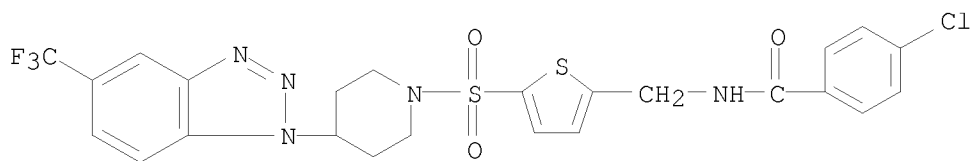
RN 830331-20-9 CAPLUS

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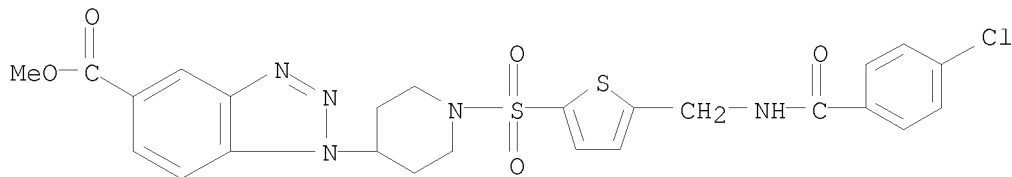
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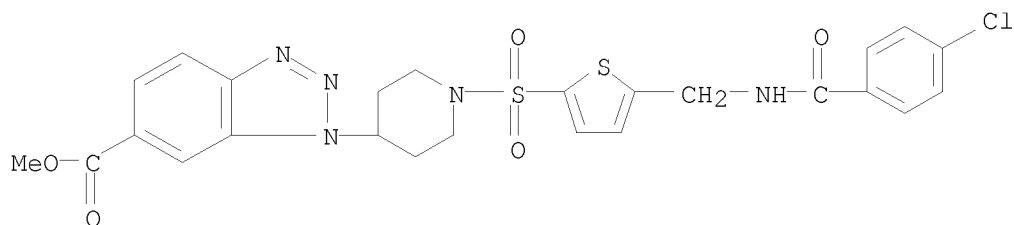
RN 830331-35-6 CAPLUS

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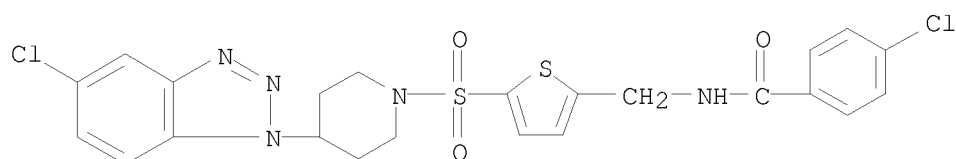
RN 830331-36-7 CAPLUS

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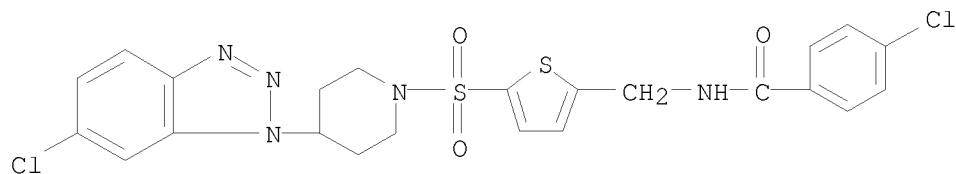
RN 830331-37-8 CAPLUS

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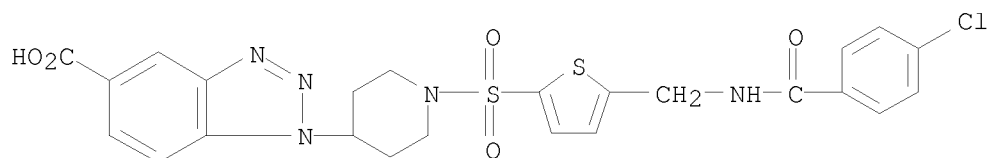
RN 830331-38-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(6-chloro-1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 830331-39-0 CAPLUS

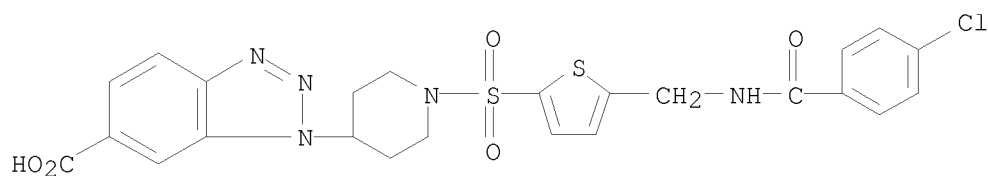
CN 1H-Benzotriazole-5-carboxylic acid, 1-[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]- (CA INDEX NAME)



RN 830331-40-3 CAPLUS

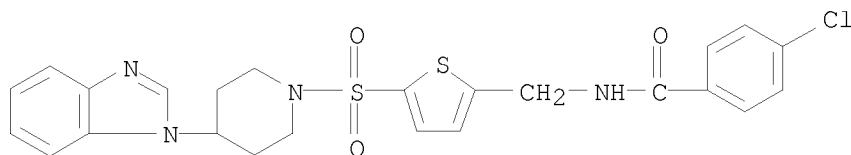
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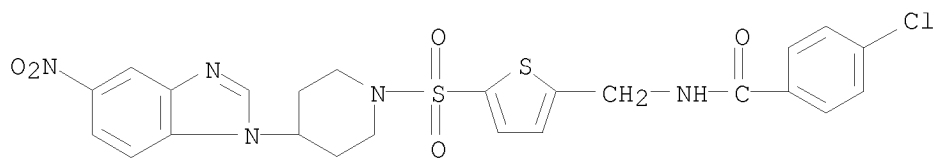
RN 830331-41-4 CAPLUS

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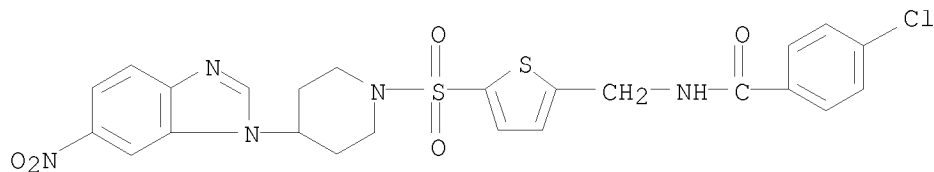
RN 830331-42-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(5-nitro-1H-benzimidazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 830331-43-6 CAPLUS

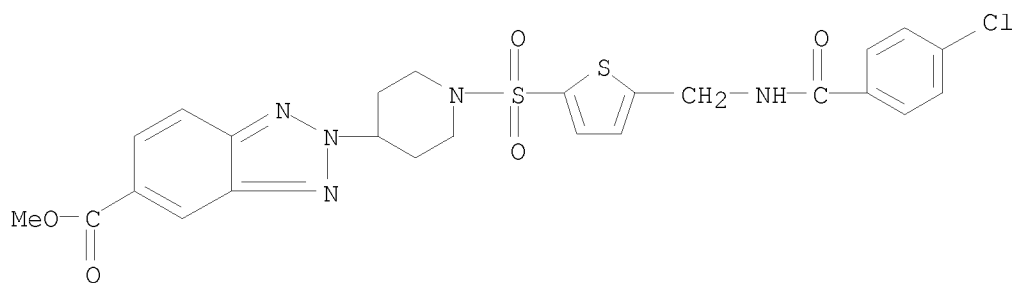
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RN 830331-45-8 CAPLUS

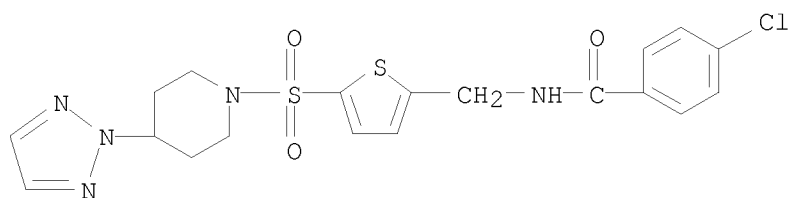
CN 2H-Benzotriazole-5-carboxylic acid, 2-[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]-, methyl ester (CA INDEX NAME)

10/070,954



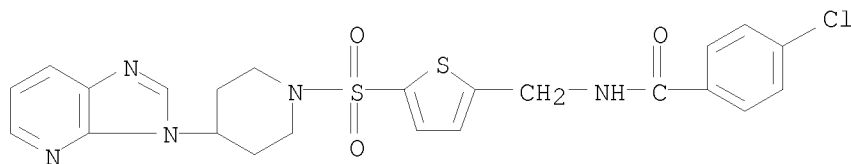
RN 830331-46-9 CAPLUS

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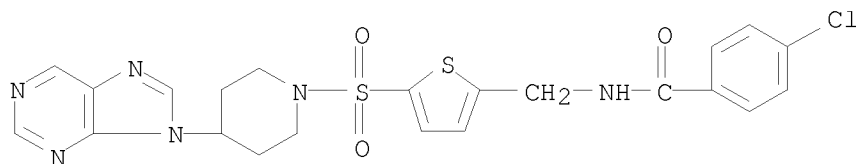
RN 830331-47-0 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(3H-imidazo[4,5-b]pyridin-3-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 830331-48-1 CAPLUS

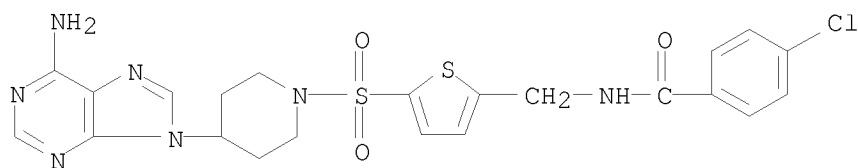
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RN 830331-49-2 CAPLUS

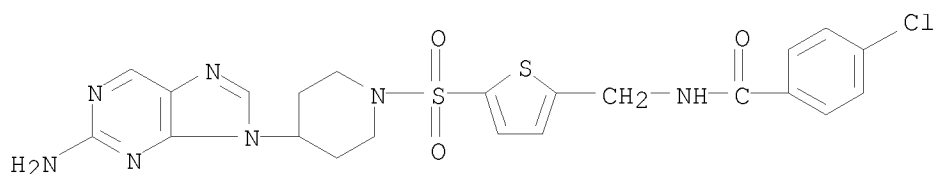
CN Benzamide, N-[[5-[[4-(6-amino-9H-purin-9-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

10/070,954



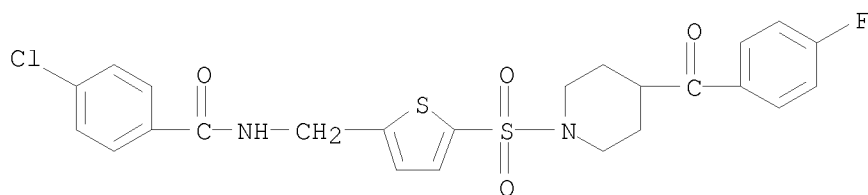
RN 830331-50-5 CAPLUS

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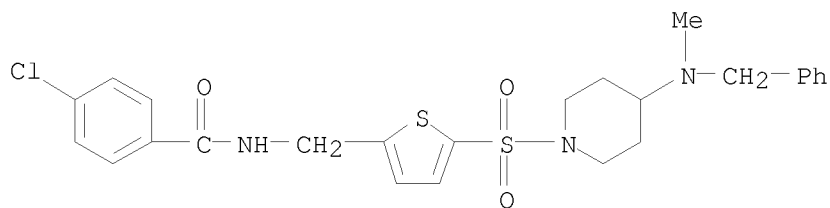
RN 848557-18-6 CAPLUS

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RN 848557-26-6 CAPLUS

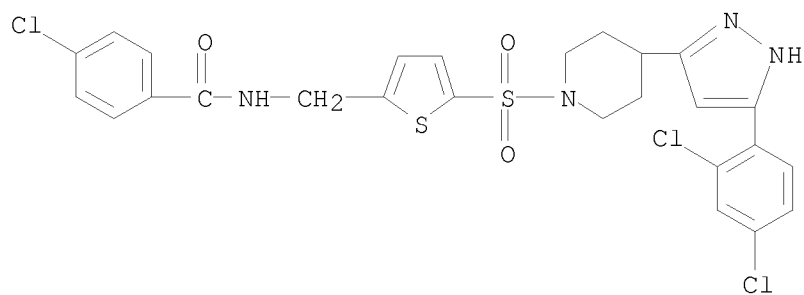
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RN 848557-27-7 CAPLUS

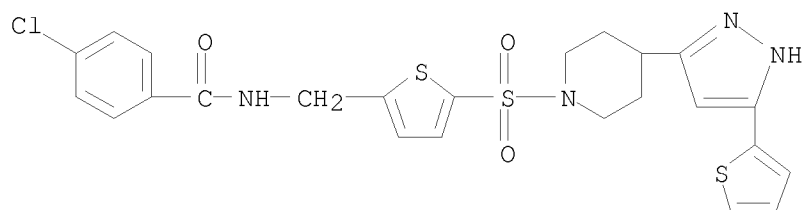
CN Benzamide, 4-chloro-N-[[5-[[4-[5-(2,4-dichlorophenyl)-1H-pyrazol-3-yl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



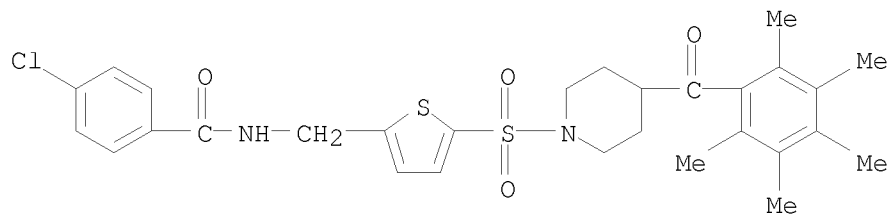
RN 848557-28-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[5-(2-thienyl)-1H-pyrazol-3-yl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-29-9 CAPLUS

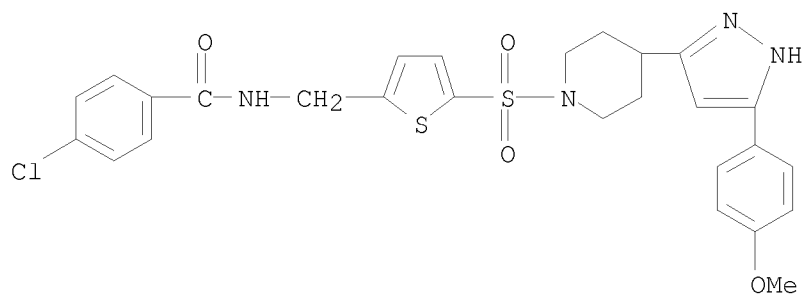
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RN 848557-31-3 CAPLUS

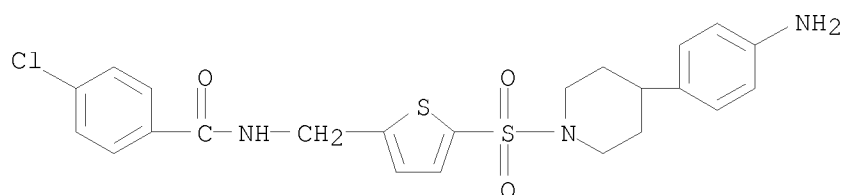
CN Benzamide, 4-chloro-N-[[5-[[4-[5-(4-methoxyphenyl)-1H-pyrazol-3-yl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



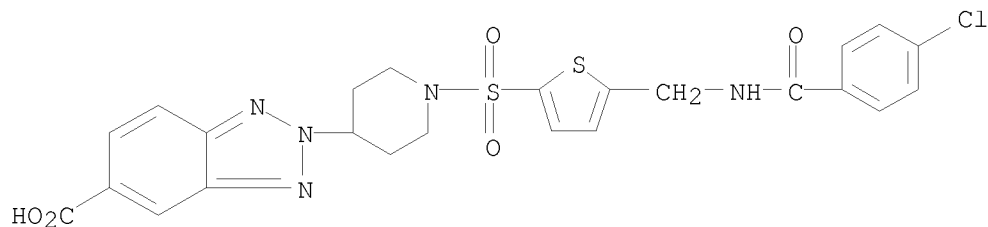
RN 848557-32-4 CAPLUS

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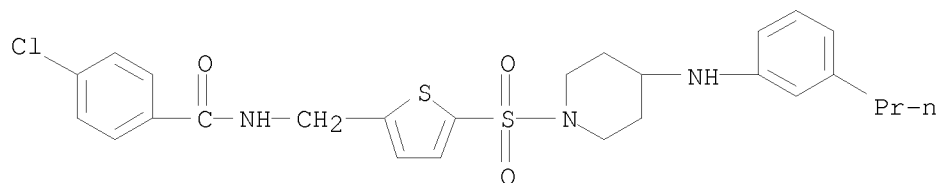
RN 848557-36-8 CAPLUS

CN 2H-Benzotriazole-5-carboxylic acid, 2-[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]- (CA INDEX NAME)



RN 848557-37-9 CAPLUS

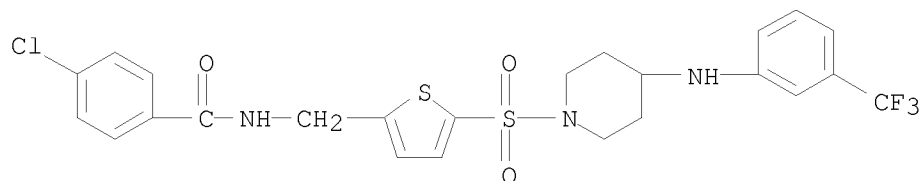
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10/070,954

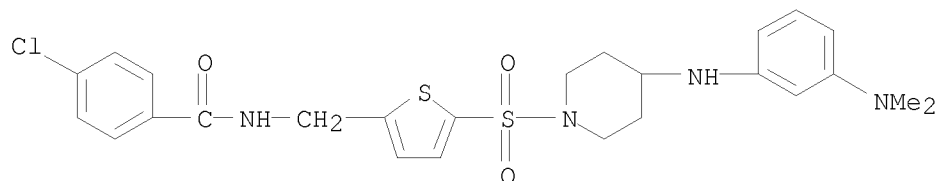
RN 848557-38-0 CAPLUS

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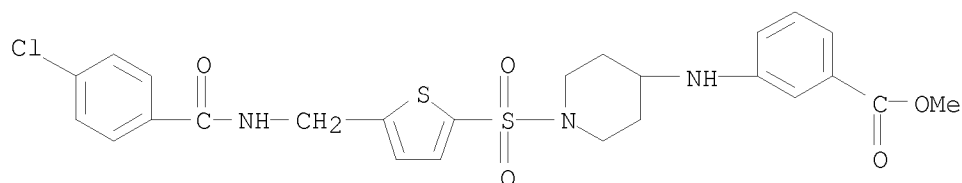
RN 848557-39-1 CAPLUS

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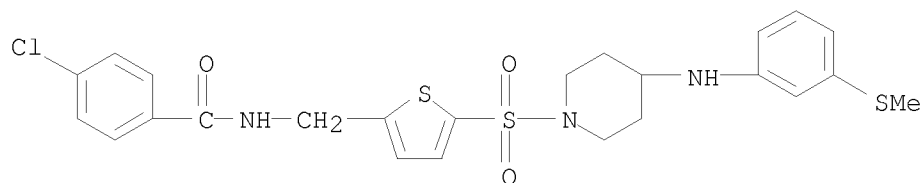
RN 848557-40-4 CAPLUS

CN Benzoic acid, 3-[[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]amino]-, methyl ester (CA INDEX NAME)



RN 848557-41-5 CAPLUS

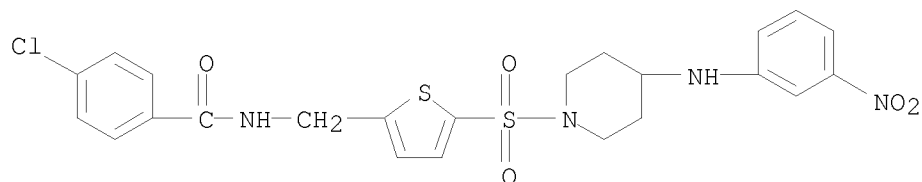
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RN 848557-42-6 CAPLUS

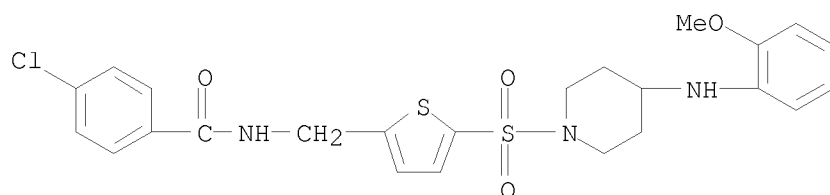
10/070,954

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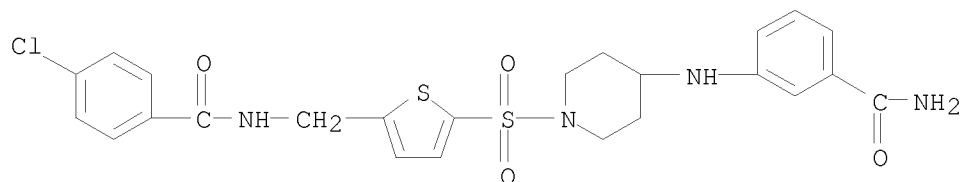
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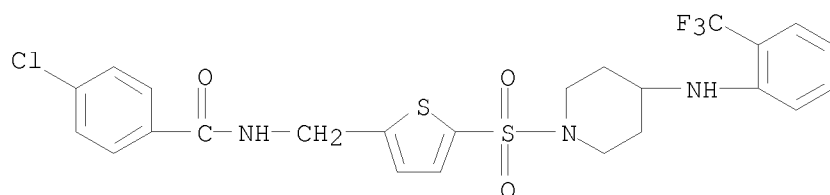
RN 848557-44-8 CAPLUS

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RN 848557-45-9 CAPLUS

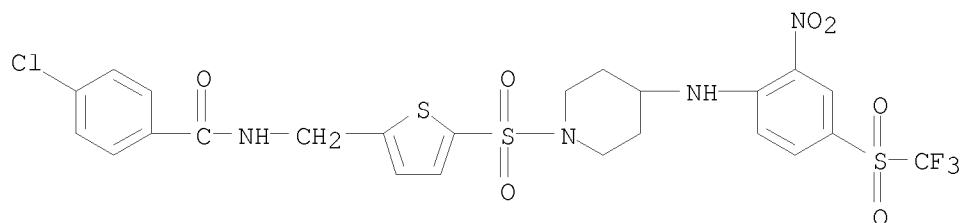
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RN 848557-46-0 CAPLUS

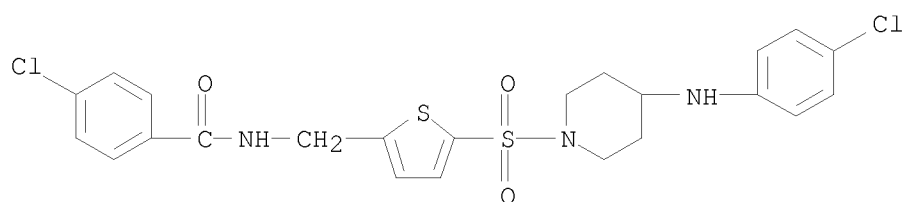
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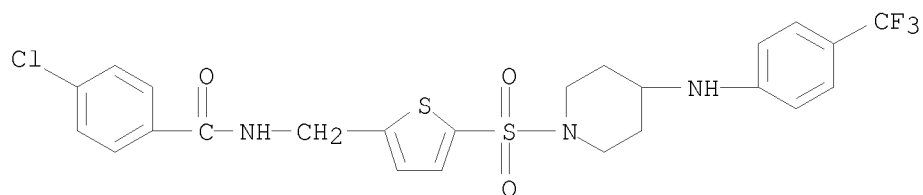
RN 848557-47-1 CAPLUS

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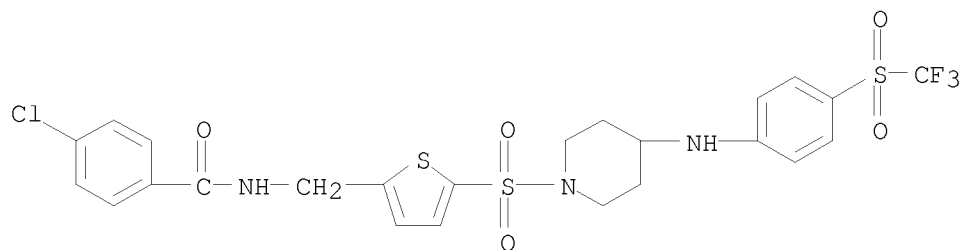
RN 848557-48-2 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-49-3 CAPLUS

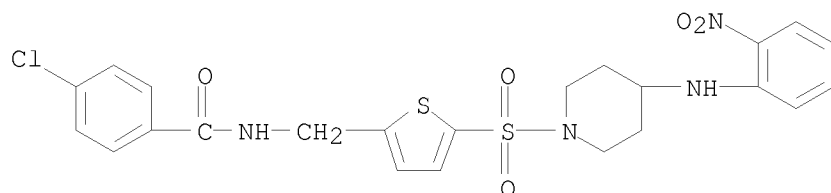
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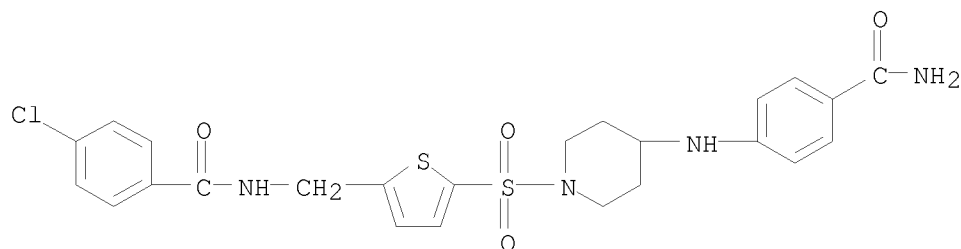
RN 848557-50-6 CAPLUS

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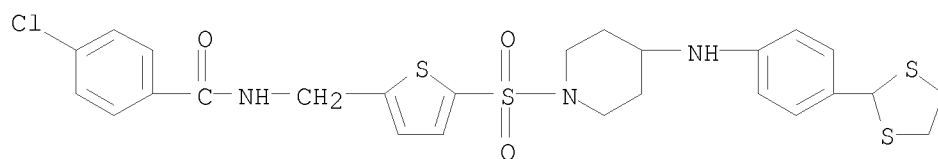
RN 848557-51-7 CAPLUS

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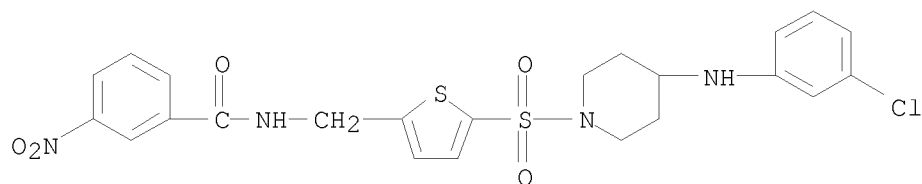
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CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(1,3-dithiolan-2-yl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-53-9 CAPLUS

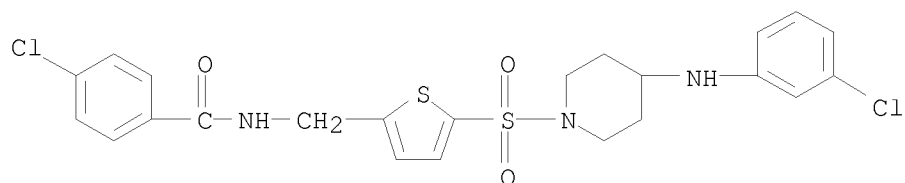
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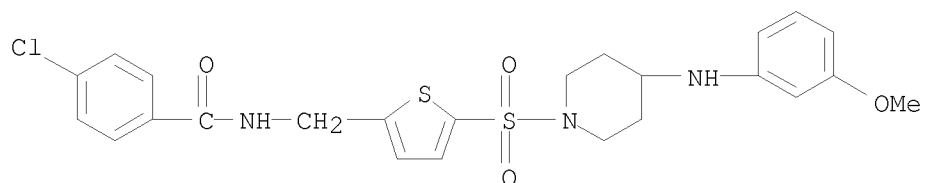
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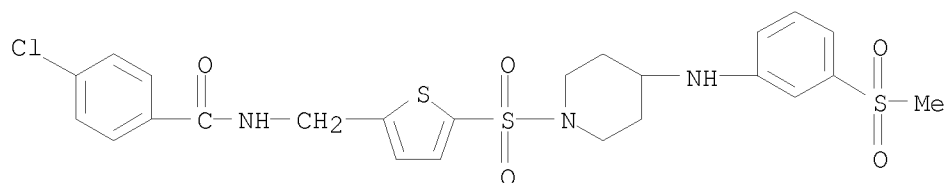
RN 848557-55-1 CAPLUS

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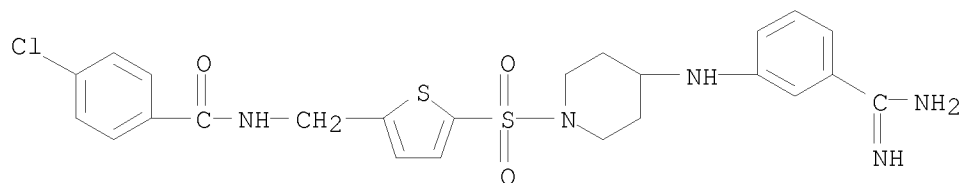
RN 848557-56-2 CAPLUS

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RN 848557-57-3 CAPLUS

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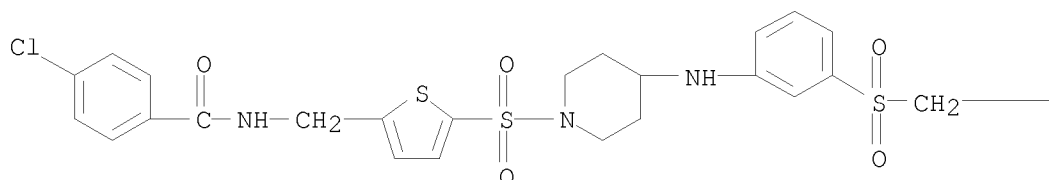


10/070,954

RN 848557-58-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[3-[(2-hydroxyethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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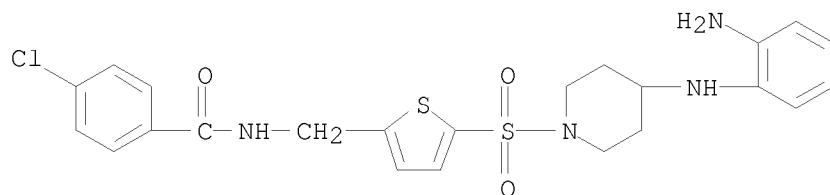


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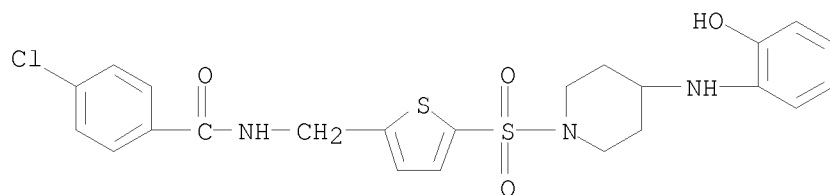
RN 848557-59-5 CAPLUS

CN Benzamide, N-[[5-[[4-[(2-aminophenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



RN 848557-60-8 CAPLUS

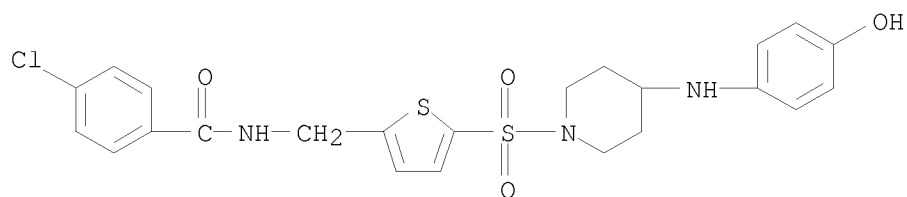
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RN 848557-61-9 CAPLUS

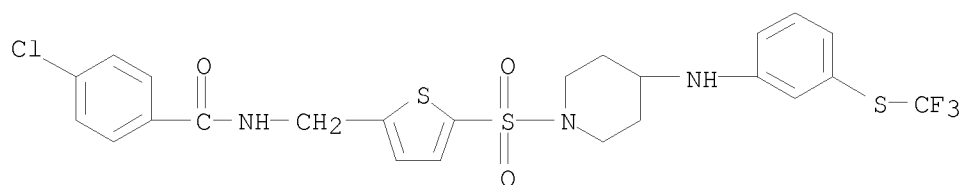
CN Benzamide, 4-chloro-N-[[5-[[4-[(4-hydroxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



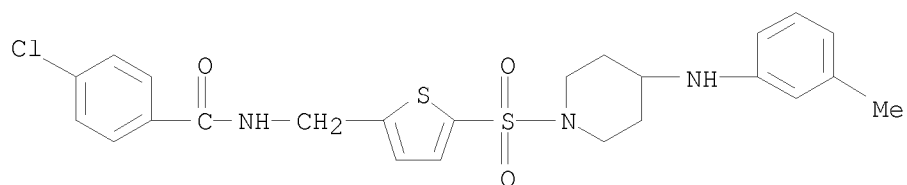
RN 848557-62-0 CAPLUS

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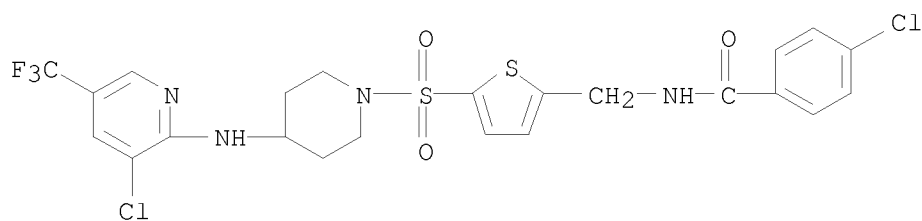
RN 848557-63-1 CAPLUS

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RN 848557-64-2 CAPLUS

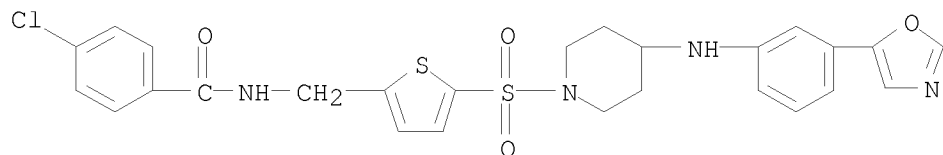
CN Benzamide, 4-chloro-N-[[5-[[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-65-3 CAPLUS

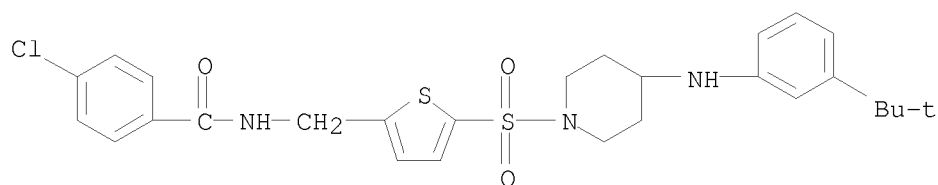
CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(5-oxazolyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



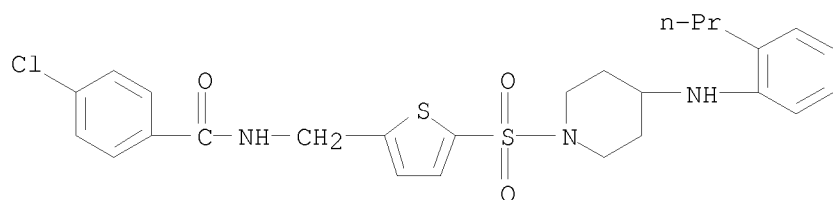
RN 848557-66-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(1,1-dimethylethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



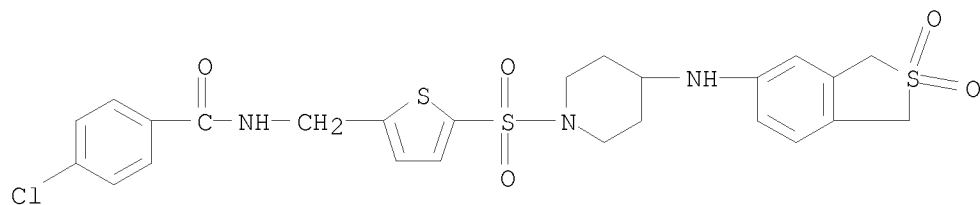
RN 848557-67-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(2-propylphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-68-6 CAPLUS

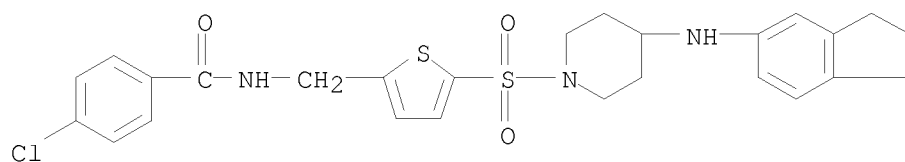
CN Benzamide, 4-chloro-N-[[5-[[4-[(1,3-dihydro-2,2-dioxobenzo[c]thien-5-yl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-69-7 CAPLUS

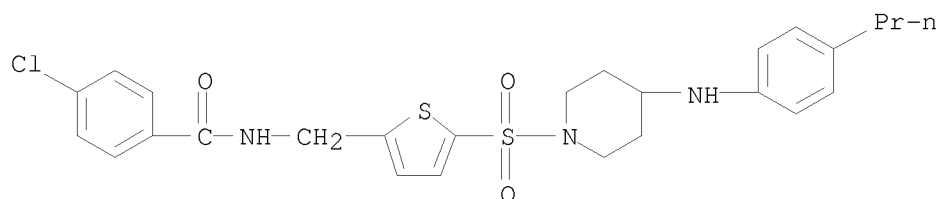
CN Benzamide, 4-chloro-N-[[5-[[4-[(2,3-dihydro-1H-inden-5-yl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



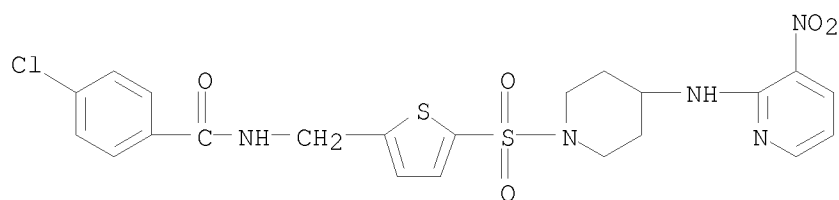
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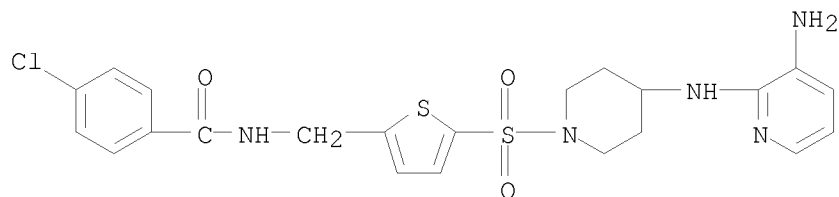
RN 848557-71-1 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(3-nitro-2-pyridinyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-72-2 CAPLUS

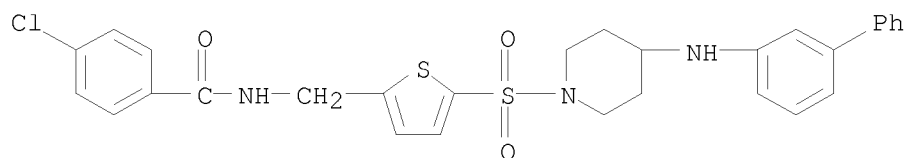
CN Benzamide, N-[[5-[[4-[(3-amino-2-pyridinyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



RN 848557-73-3 CAPLUS

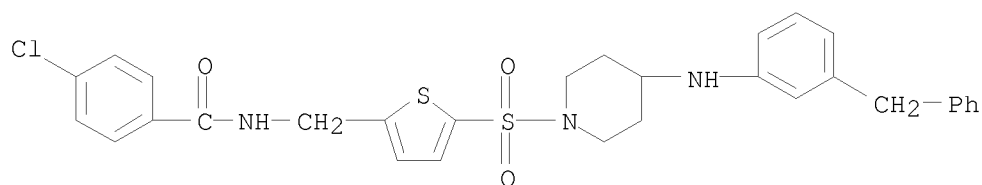
CN Benzamide, N-[[5-[[4-[(1,1'-biphenyl)-3-ylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

10/070,954



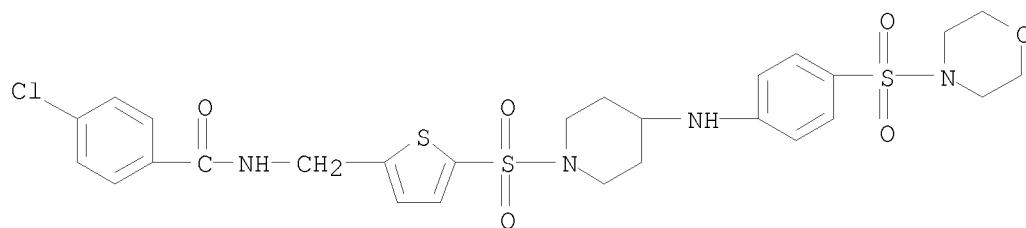
RN 848557-74-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(phenylmethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



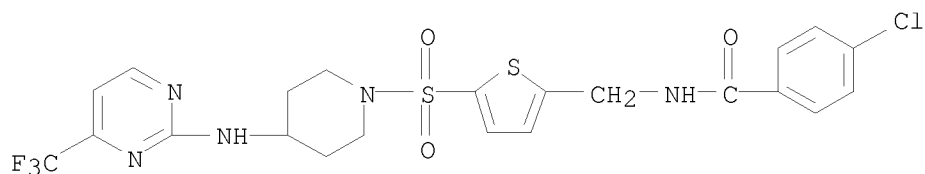
RN 848557-75-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(4-morpholinylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-76-6 CAPLUS

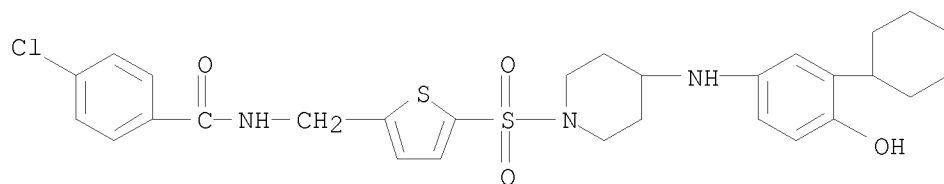
CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(trifluoromethyl)-2-pyrimidinyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-77-7 CAPLUS

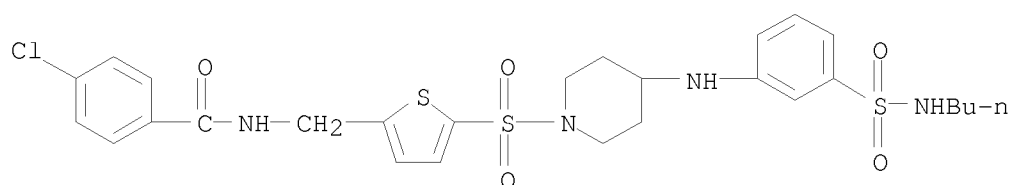
CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(cyclohexyl-4-hydroxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



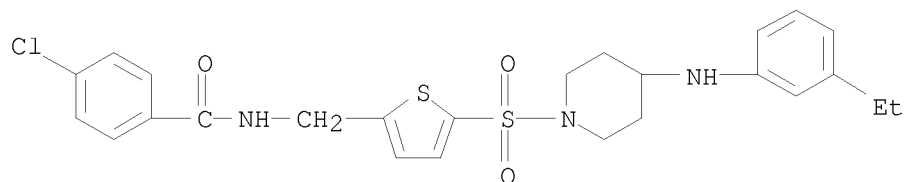
RN 848557-78-8 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-[(butylamino)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



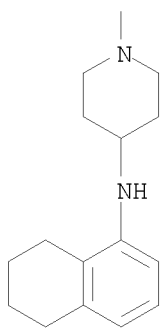
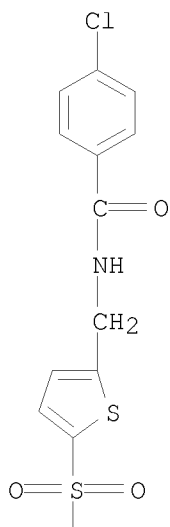
RN 848557-79-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[3-ethylphenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



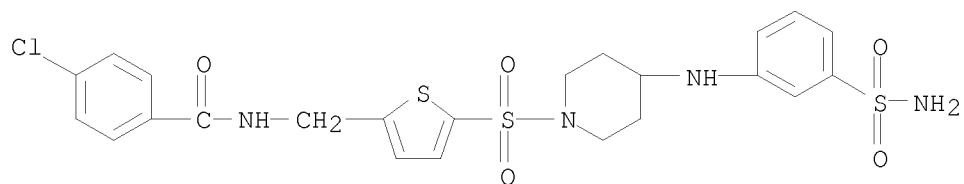
RN 848557-80-2 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(5,6,7,8-tetrahydro-1-naphthalenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-81-3 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-(aminosulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

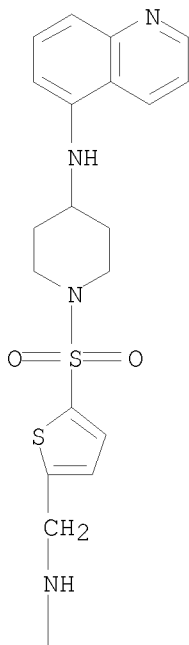


10/070,954

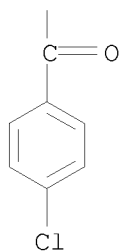
RN 848557-82-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(5-quinolinylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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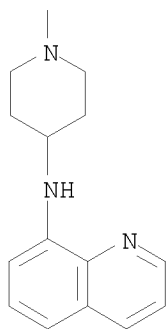
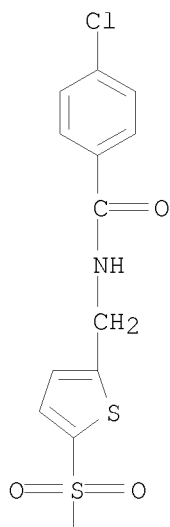


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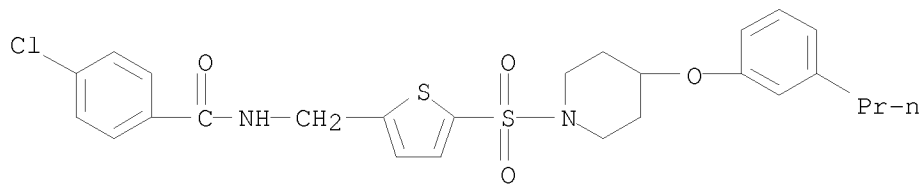
RN 848557-83-5 CAPLUS

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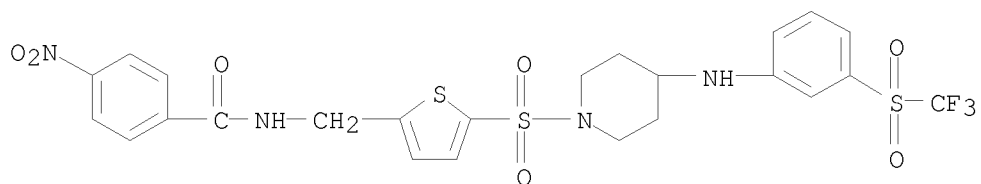
RN 848557-84-6 CAPLUS
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10/070,954



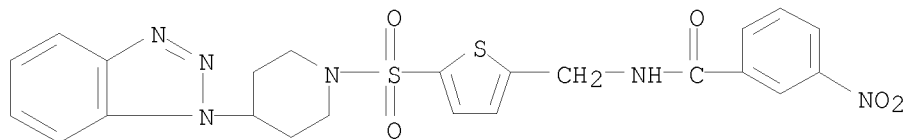
RN 848557-87-9 CAPLUS

CN Benzamide, 4-nitro-N-[[5-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



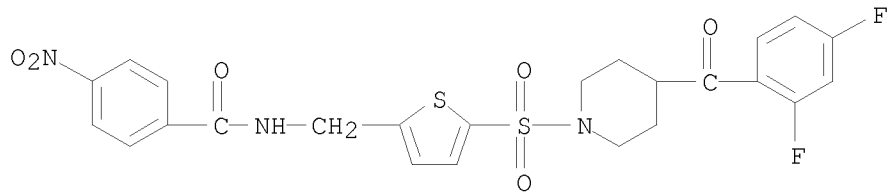
RN 848557-88-0 CAPLUS

CN Benzamide, N-[5-[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienylmethyl]-3-nitro- (CA INDEX NAME)



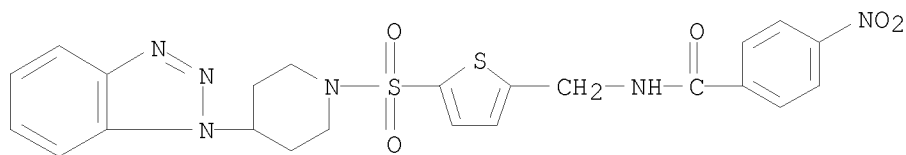
RN 848557-89-1 CAPLUS

| | |
|----|--|
| CN | Benzamide, N-[5-[4-(2,4-difluorobenzoyl)-1-piperidinyl]sulfonyl]-2-thienylmethyl]-4-nitro- (CA INDEX NAME) |
|----|--|



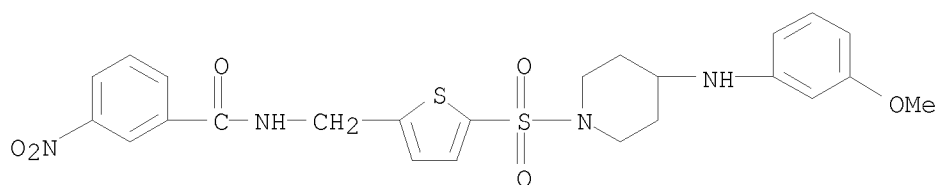
RN 848557-90-4 CAPLUS

CN Benzamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl)methyl]-4-nitro- (CA INDEX NAME)



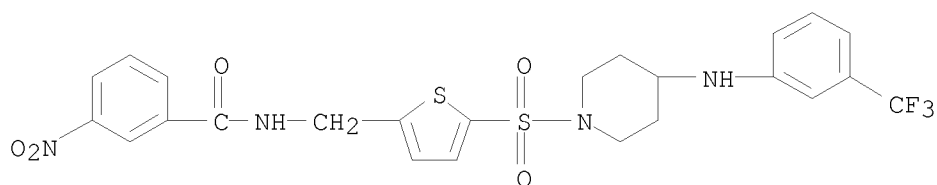
RN 848557-91-5 CAPLUS

CN Benzamide, N-[[5-[[4-[(3-methoxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



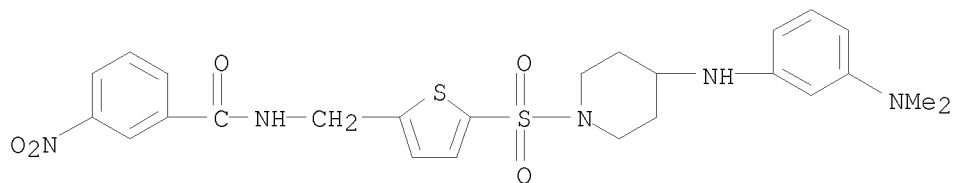
RN 848557-92-6 CAPLUS

CN Benzamide, 3-nitro-N-[[5-[[4-[[3-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848557-93-7 CAPLUS

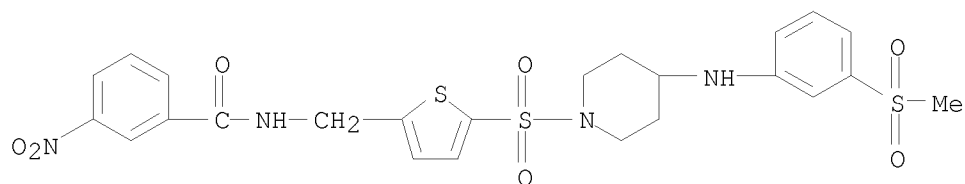
CN Benzamide, N-[[5-[[4-[[3-(dimethylamino)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848557-94-8 CAPLUS

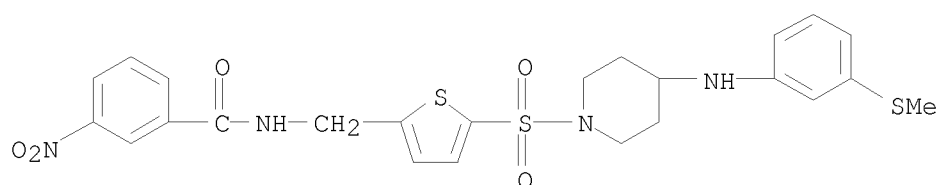
CN Benzamide, N-[[5-[[4-[[3-(methylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)

10/070,954



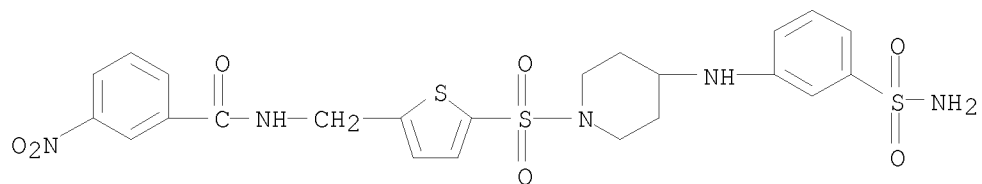
RN 848557-95-9 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-(methylthio)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



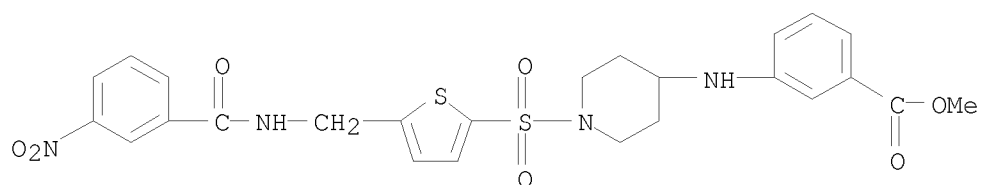
RN 848557-96-0 CAPLUS

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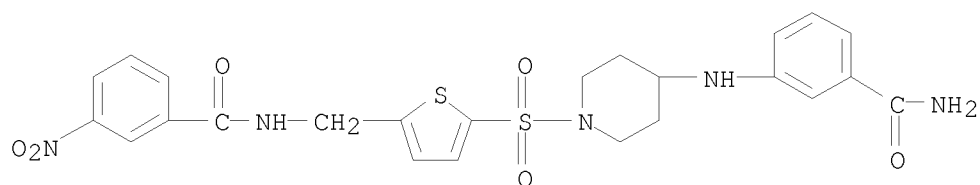
RN 848557-97-1 CAPLUS

CN Benzoic acid, 3-[[1-[[5-[[3-(3-nitrobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]amino]-, methyl ester (CA INDEX NAME)



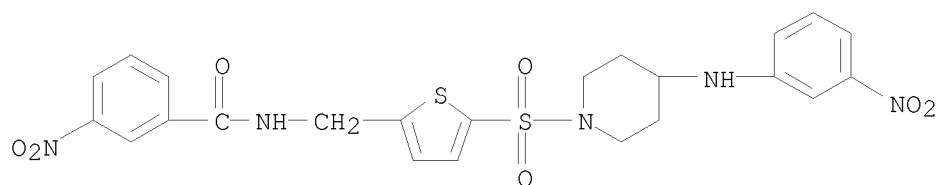
RN 848557-98-2 CAPLUS

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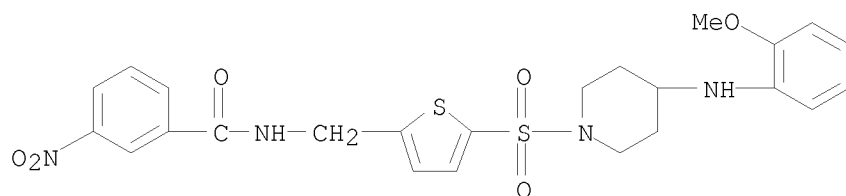
RN 848557-99-3 CAPLUS

CN Benzamide, 3-nitro-N-[[5-[[4-[(3-nitrophenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



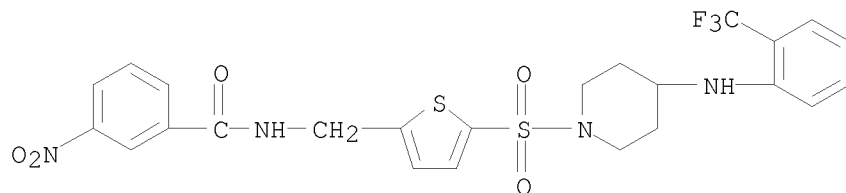
RN 848558-00-9 CAPLUS

CN Benzamide, N-[[5-[[4-[(2-methoxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848558-01-0 CAPLUS

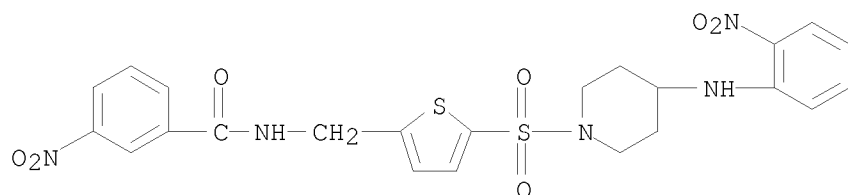
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RN 848558-02-1 CAPLUS

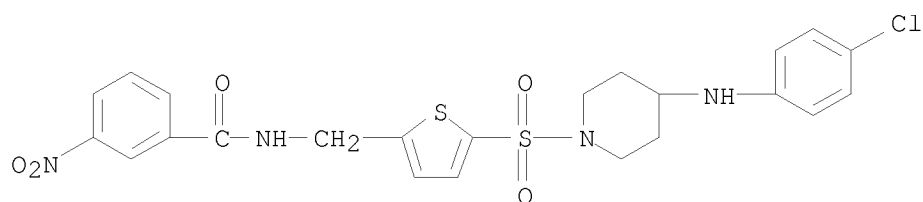
CN Benzamide, 3-nitro-N-[[5-[[4-[(2-nitrophenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



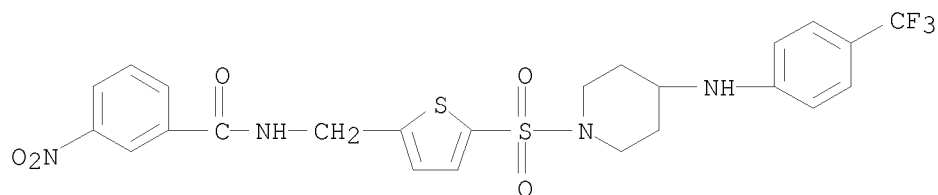
RN 848558-03-2 CAPLUS

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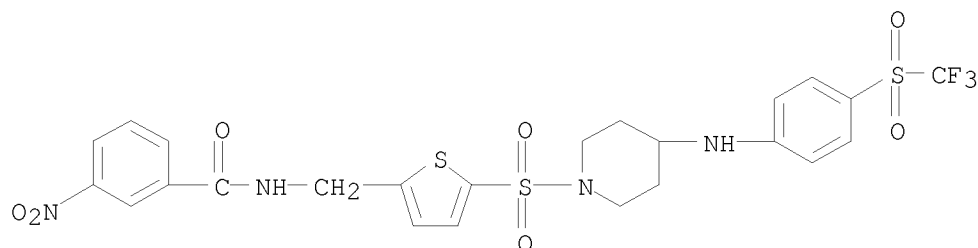
RN 848558-04-3 CAPLUS

CN Benzamide, 3-nitro-N-[[5-[[4-[[4-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-05-4 CAPLUS

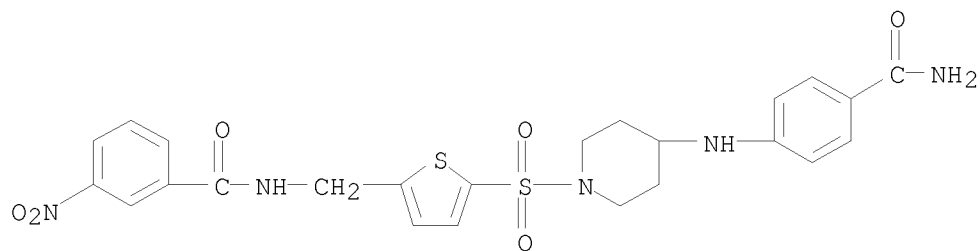
CN Benzamide, 3-nitro-N-[[5-[[4-[[4-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-06-5 CAPLUS

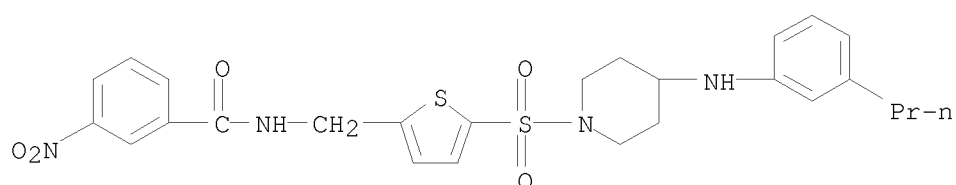
CN Benzamide, N-[[5-[[4-[[4-(aminocarbonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)

10/070,954



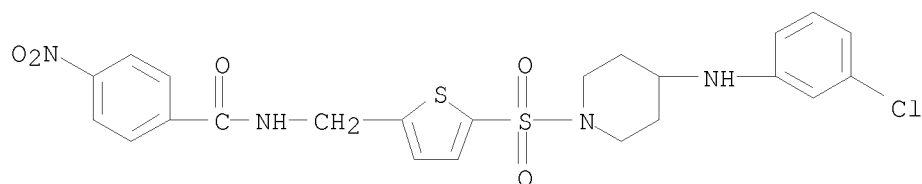
RN 848558-07-6 CAPLUS

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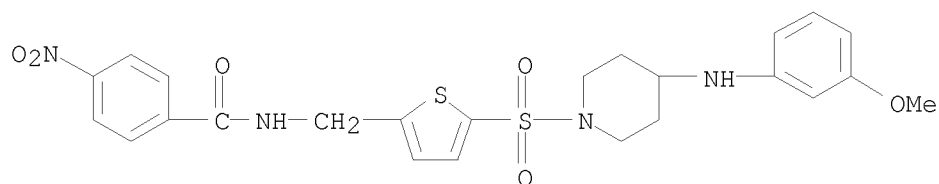
RN 848558-08-7 CAPLUS

CN Benzamide, N-[[5-[[4-[(3-chlorophenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



RN 848558-09-8 CAPLUS

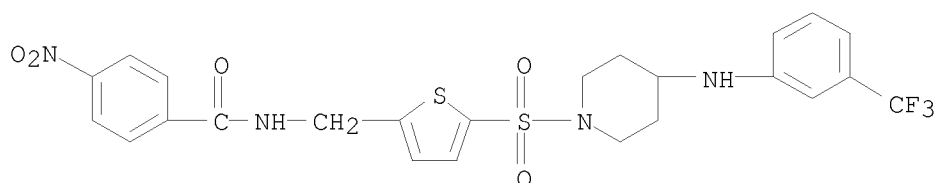
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RN 848558-10-1 CAPLUS

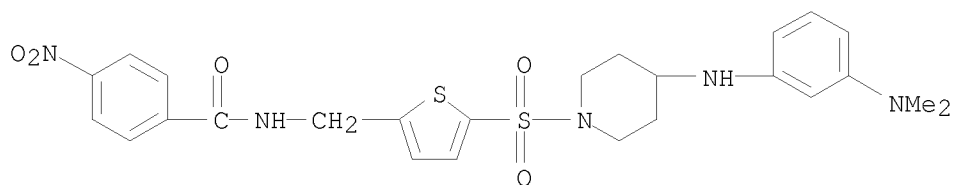
CN Benzamide, 4-nitro-N-[[5-[[4-[(3-(trifluoromethyl)phenyl)amino]-1-

piperidinyl)sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



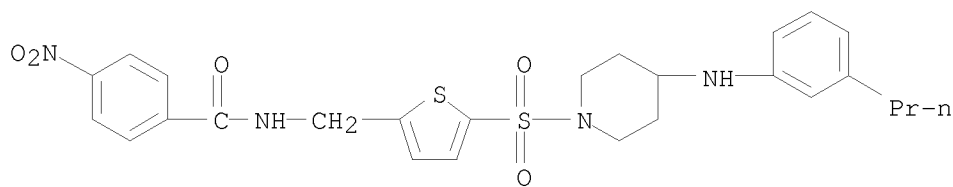
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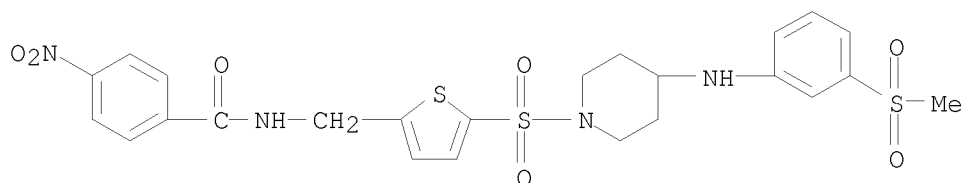
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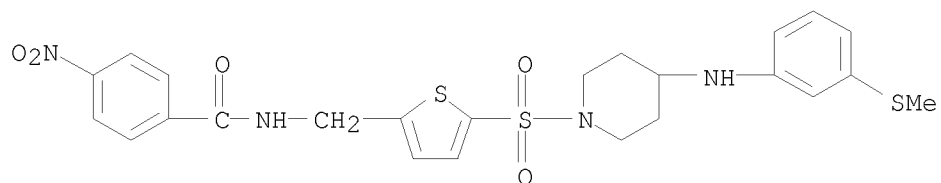
RN 848558-13-4 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-(methylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)

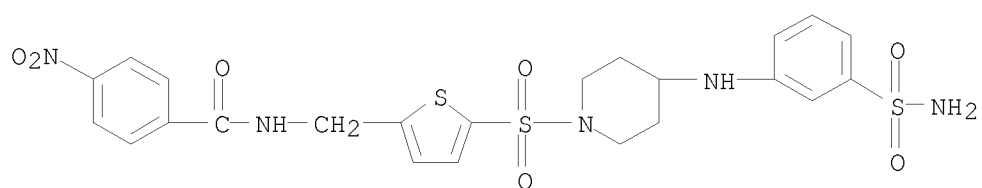


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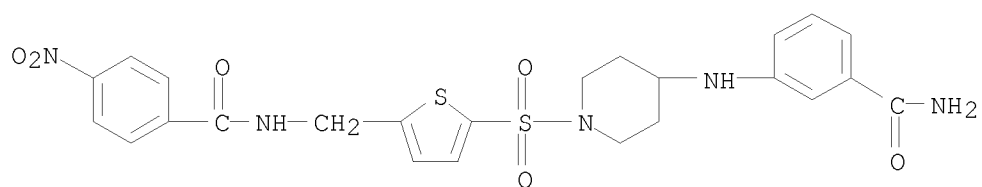
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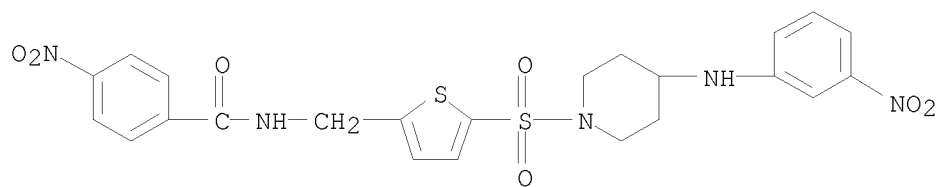
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RN 848558-16-7 CAPLUS
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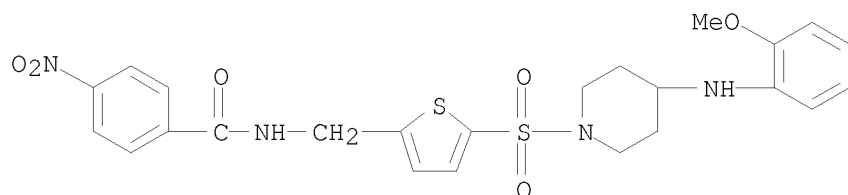


RN 848558-17-8 CAPLUS
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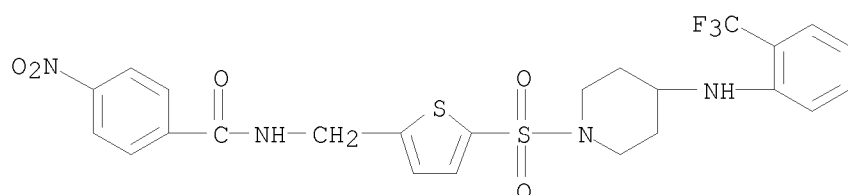
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10/070,954



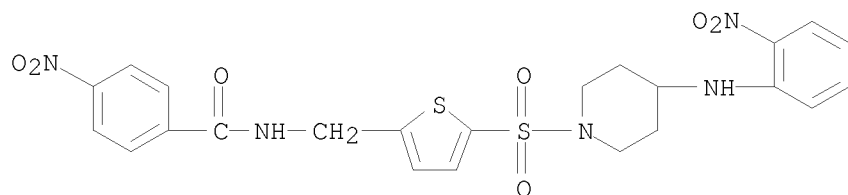
RN 848558-19-0 CAPLUS

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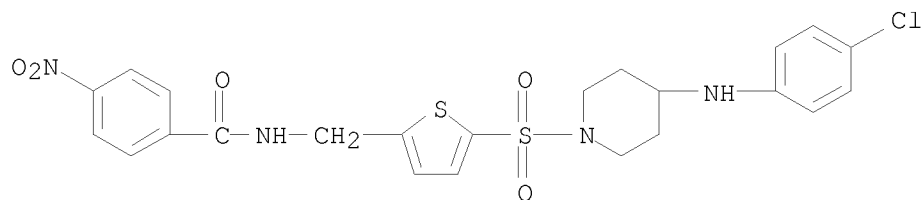
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CN Benzamide, 4-nitro-N-[[5-[[4-[[2-nitrophenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-21-4 CAPLUS

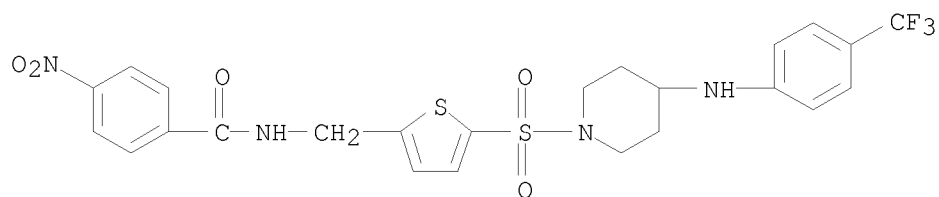
CN Benzamide, N-[[5-[[4-[[4-chlorophenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



RN 848558-22-5 CAPLUS

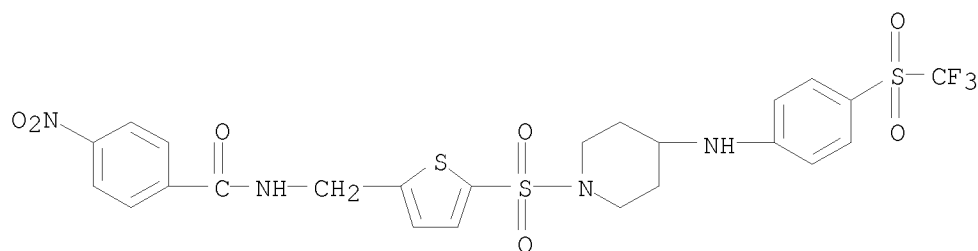
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10/070,954



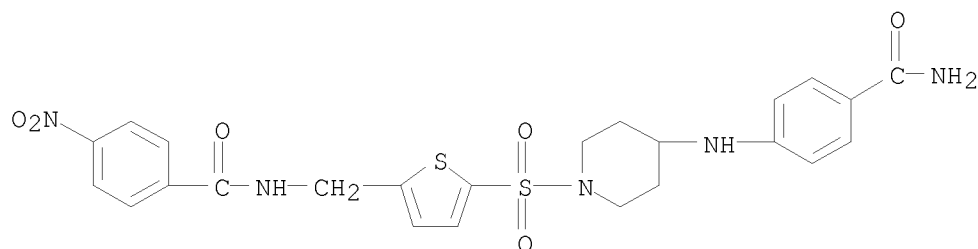
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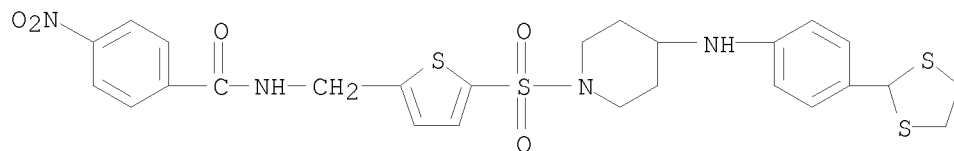
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CN Benzamide, N-[[5-[[4-[[4-(aminocarbonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



RN 848558-25-8 CAPLUS

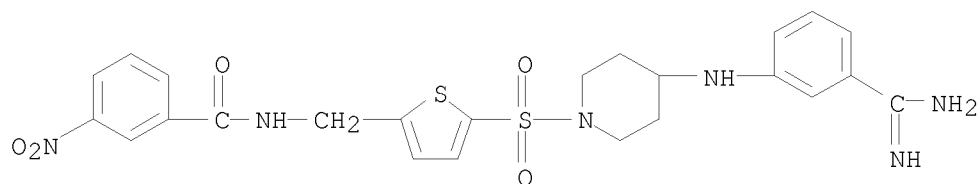
CN Benzamide, N-[[5-[[4-[[4-(1,3-dithiolan-2-yl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



RN 848558-26-9 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-(aminoiminomethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)

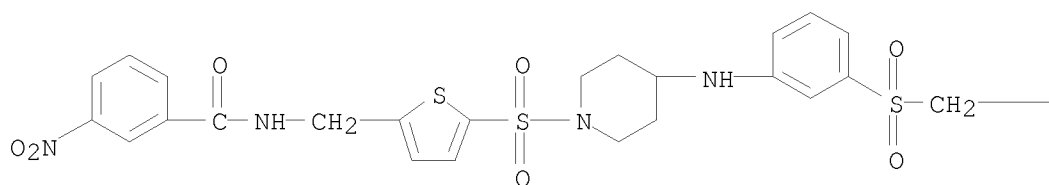
10/070,954



RN 848558-27-0 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-[(2-hydroxyethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)

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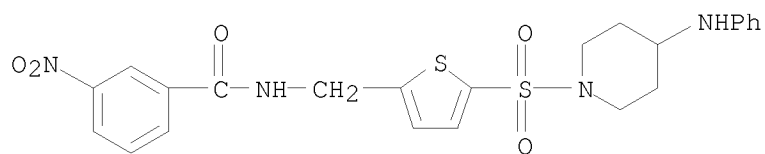


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RN 848558-28-1 CAPLUS

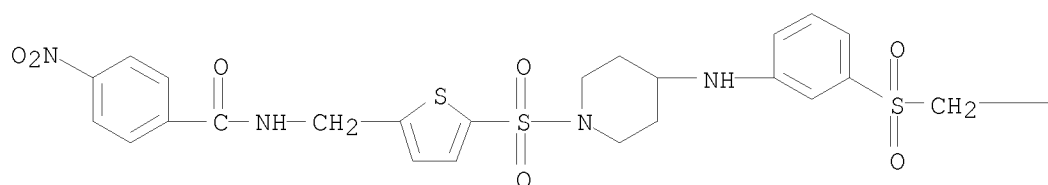
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RN 848558-29-2 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-[(2-hydroxyethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)

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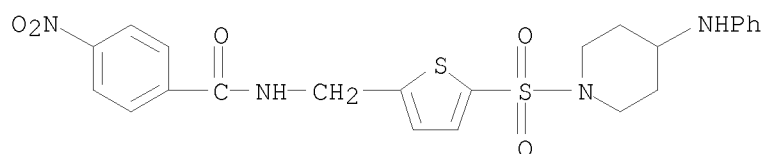


PAGE 1-B

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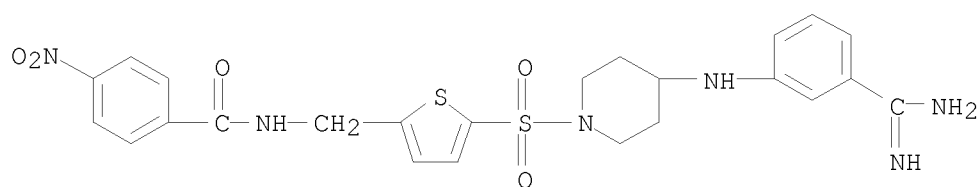
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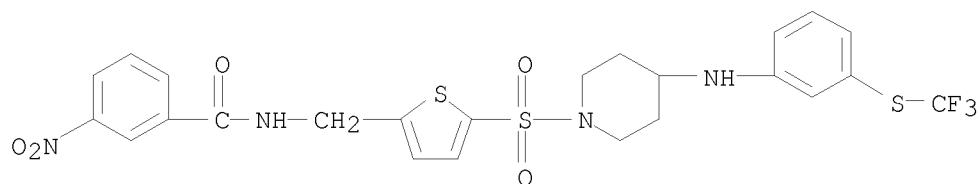
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RN 848558-32-7 CAPLUS

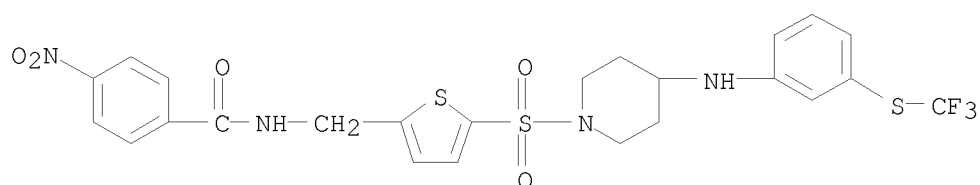
CN Benzamide, 3-nitro-N-[[5-[[4-[[3-[(trifluoromethyl)thio]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



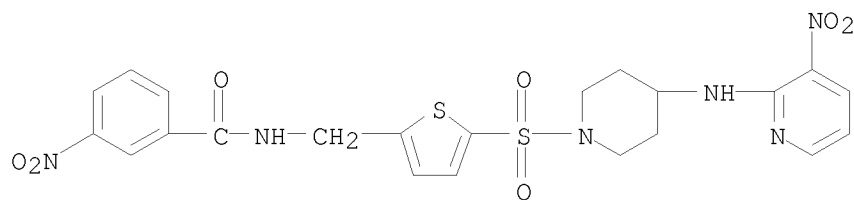
RN 848558-33-8 CAPLUS

CN Benzamide, 4-nitro-N-[[5-[[4-[[3-[(trifluoromethyl)thio]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



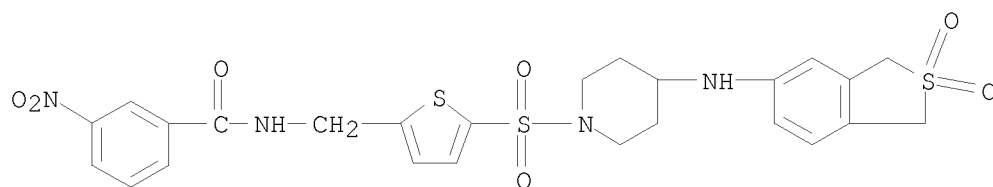
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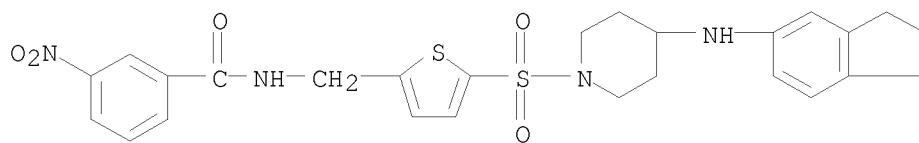
RN 848558-35-0 CAPLUS

CN Benzamide, N-[[5-[[4-[(1,3-dihydro-2,2-dioxidobenzo[c]thien-5-yl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848558-36-1 CAPLUS

CN Benzamide, N-[[5-[[4-[(2,3-dihydro-1H-inden-5-yl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



IT 848558-37-2, 3-Nitro-N-[[5-[[4-(2-propylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-38-3,
 3-Nitro-N-[[5-[[4-(4-propylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-39-4,
 N-[[5-[[4-(3-tert-Butylanilino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848558-40-7,
 3-Nitro-N-[[5-[[4-[3-(1,3-oxazol-5-yl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-41-8,
 3-Nitro-N-[[5-[[4-(2-phenylethyl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-42-9,
 N-[[5-[[4-[[3-Chloro-5-(trifluoromethyl)pyridin-2-yl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848558-43-0,
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 3-Nitro-N-[[5-[[4-[3-(morpholin-4-ylsulfonyl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-46-3,
 3-Nitro-N-[[5-[[4-[(3-propylphenyl)oxy]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-47-4,
 4-Nitro-N-[[5-[[4-(pyrimidin-2-ylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-48-5,
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 4-Nitro-N-[[5-[[4-[3-(1,3-oxazol-5-yl)anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-55-4,
 4-Nitro-N-[[5-[[4-(2-phenylethyl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 848558-56-5,
 N-[[5-[[4-[[3-Chloro-5-(trifluoromethyl)pyridin-2-yl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848558-57-6,
 N-[[5-[[4-[[1,1'-Biphenyl]-3-yl]amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-4-nitrobenzamide 848558-58-7,
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N-[[5-[[4-[(3-Aminopyridin-2-yl)amino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-nitrobenzamide 848558-63-4,
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yl)methyl]-3-methoxybenzamide 848558-92-9,
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 N-[[5-[[4-(1H-1,2,3-Benzotriazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-2-oxo-1,2-dihydropyridine-3-carboxamide 848559-25-1,
 N-[[5-[[4-(1H-1,2,3-Benzotriazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-2-thioxo-1,2-dihydropyridine-3-carboxamide
 848559-26-2, N-[[5-[[4-(1H-1,2,3-Benzotriazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3,4-dihydroxybenzamide
 848559-27-3, N-[[5-[[4-(1H-1,2,3-Benzotriazol-1-yl)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]pyridine-2-carboxamide 848559-28-4,
 N-[[5-[[4-(Hexyloxy)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 848559-29-5 848559-30-8,
 4-Chloro-N-[[5-[[4-(3-propylanilino)piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-31-9,
 4-Chloro-N-[[5-[[4-(3-chloroanilino)piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-32-0,
 4-Chloro-N-[[5-[[4-(3-methoxyanilino)piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-33-1,
 4-Chloro-N-[[5-[[4-[3-(trifluoromethyl)anilino]piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-34-2,
 4-Chloro-N-[[5-[[4-[3-(dimethylamino)anilino]piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-35-3,
 4-Chloro-N-[[5-[[4-[3-(methylsulfonyl)anilino]piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-36-4,
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 N-[[5-[[4-[3-(Aminosulfonyl)anilino]piperidin-1-yl]sulfonyl]-2-furyl]methyl]-4-chlorobenzamide 848559-38-6, Methyl
 3-[[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-furyl]sulfonyl]piperidin-4-yl]amino]benzoate 848559-39-7,
 3-[[1-[[5-[[4-(4-Chlorobenzoyl)amino]methyl]-2-furyl]sulfonyl]piperidin-4-yl]amino]benzamide 848559-40-0,
 4-Chloro-N-[[5-[[4-(3-nitroanilino)piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-41-1,
 4-Chloro-N-[[5-[[4-(2-methoxyanilino)piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-42-2,
 4-Chloro-N-[[5-[[4-[2-(trifluoromethyl)anilino]piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-43-3,
 4-Chloro-N-[[5-[[4-(2-nitroanilino)piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-44-4,
 4-Chloro-N-[[5-[[4-(4-chloroanilino)piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-45-5,
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 N-[[5-[[4-[4-(Aminocarbonyl)anilino]piperidin-1-yl]sulfonyl]-2-furyl]methyl]-4-chlorobenzamide 848559-48-8,
 4-Chloro-N-[[5-[[4-[4-(1,3-dithiolan-2-yl)anilino]piperidin-1-yl]sulfonyl]-2-furyl]methyl]benzamide 848559-49-9,
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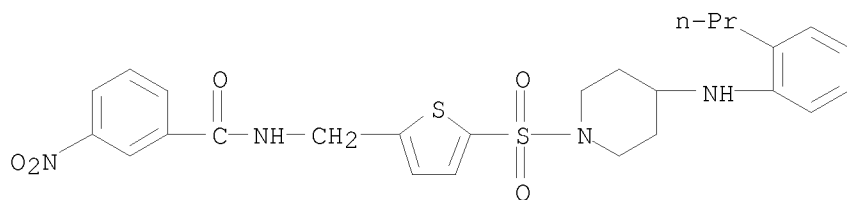
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 4-Chloro-N-[[5-[[4-[(3,4-dihydroxybenzyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]benzamide 848559-63-7 848559-64-8
 848559-65-9, [[1-[[5-[[4-(4-Chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl](hexyl)amino]acetic acid
 848559-68-2, N-[[5-[[4-[2-(Butylamino)ethyl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 848559-69-3,
 N-[[5-[[4-[(4-Butylanilino)methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-70-6,
 3-Methoxy-N-[[5-[[4-[methyl[4-(trifluoromethyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]benzamide 848559-71-7,
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 N-[[5-[[4-[[3,5-Bis(trifluoromethyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-73-9,
 N-[[5-[[4-[[2,5-Bis(trifluoromethyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-74-0,
 N-[[5-[[4-[[4-(Ethylsulfanyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-75-1,
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 N-[[5-[[4-[[2,2-Difluoro-1,3-benzodioxol-5-yl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide
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 848559-80-8, N-[[5-[[4-[(4-Chlorobenzyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide
 848559-81-9, N-[[5-[[4-[(4-Ethylbenzyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide
 848559-82-0, 3-Methoxy-N-[[5-[[4-[(4-pentylbenzyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]benzamide 848559-83-1,
 3-Methoxy-N-[[5-[[4-[[1-[4-(trifluoromethyl)phenyl]ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]benzamide 848559-84-2,
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 N-[[5-[[4-[(4-Butylbenzyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-86-4,

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 N-[[5-[[4-[(4-Isobutylbenzyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-88-6
 848559-89-7, N-[[5-[[4-[(2,3-Dihydro-1,4-benzodioxin-6-ylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-90-0,
 N-[[5-[[4-[(2,3-Dihydrobenzo[b]furan-5-yl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide 848559-91-1,
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 4-Chloro-N-[[5-[[3-[(hexylamino)methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]benzamide 848560-14-5,
 4-Chloro-N-[[5-[[3-[[4-(trifluoromethyl)benzyl]amino]methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]benzamide 848560-15-6,
 2-Oxo-N-[[5-[[4-[[4-(trifluoromethyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1,2-dihydro-3-pyridinecarboxamide 848560-16-7
 , N-[[5-[[4-(Hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-2-oxo-1,2-dihydro-3-pyridinecarboxamide 848560-17-8,
 N-[[5-[[4-(Hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-2-hydroxybenzamide 848560-18-9,
 2-Hydroxy-N-[[5-[[4-[[4-(trifluoromethyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]benzamide 848560-19-0,

N-[[5-[[4-(Hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-2-thioxo-1,2-dihydro-3-pyridinecarboxamide 848560-20-3,
 2-Thioxo-N-[[5-[[4-[[4-(trifluoromethyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1,2-dihydro-3-pyridinecarboxamide
 848560-21-4, N-[[5-[[4-(Butylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-2-oxo-1,2-dihydro-3-pyridinecarboxamide
 848560-22-5, N-[[5-[[4-[Ethyl[4-(trifluoromethyl)benzyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxybenzamide
 848560-23-6 848560-25-8, Ethyl
 2-[[4-(hexylamino)piperidin-1-yl]sulfonyl]-5-[[3-methoxybenzoyl]amino]methyl]thiophene-3-carboxylate 848560-26-9
 , N-[[5-[[4-(Hexylamino)piperidin-1-yl]sulfonyl]-4-(trimethylsilyl)thien-2-yl]methyl]-3-methoxybenzamide 848560-27-0,
 N-[[5-[[4-(Hexylamino)piperidin-1-yl]sulfonyl]-4-[hydroxy(phenyl)methyl]thien-2-yl]methyl]-3-methoxybenzamide
 848560-28-1, 5-[[3-Methoxybenzoylamino]methyl]-2-[[4-[[4-trifluoromethylbenzyl]amino]piperidin-1-yl]sulfonyl]thiophene-3-carboxylic acid ethyl ester 848560-29-2,
 N-[[4-Chloro-5-[[4-(hexylamino)piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (antidiabetic agent; thiophenesulfonamide derivs. for treatment of diabetes)

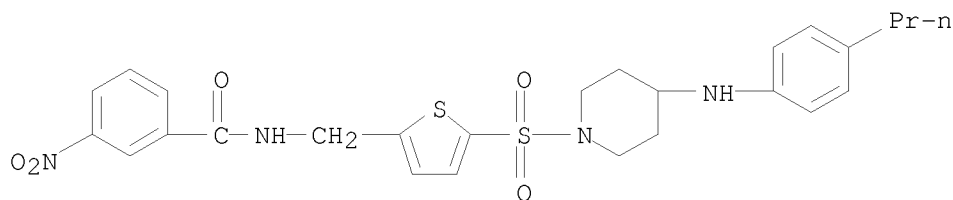
RN 848558-37-2 CAPLUS

CN Benzamide, 3-nitro-N-[[5-[[4-[(2-propylphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-38-3 CAPLUS

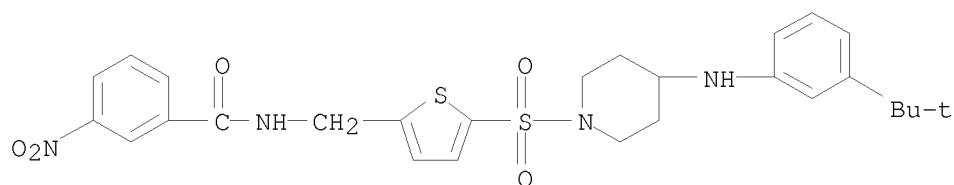
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RN 848558-39-4 CAPLUS

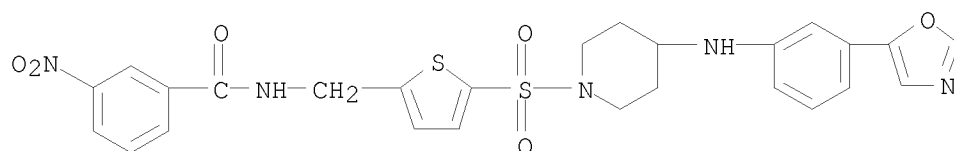
CN Benzamide, N-[[5-[[4-[[3-(1,1-dimethylethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)

10/070,954



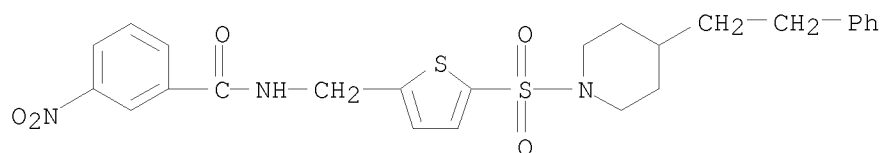
RN 848558-40-7 CAPLUS

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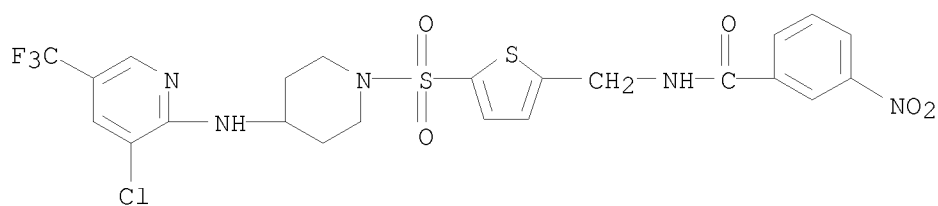
RN 848558-41-8 CAPLUS

CN Benzamide, 3-nitro-N-[[5-[[4-(2-phenylethyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-42-9 CAPLUS

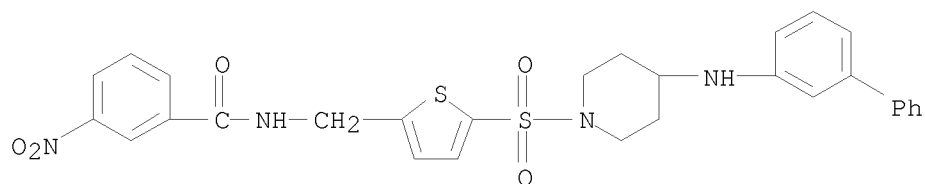
CN Benzamide, N-[[5-[[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848558-43-0 CAPLUS

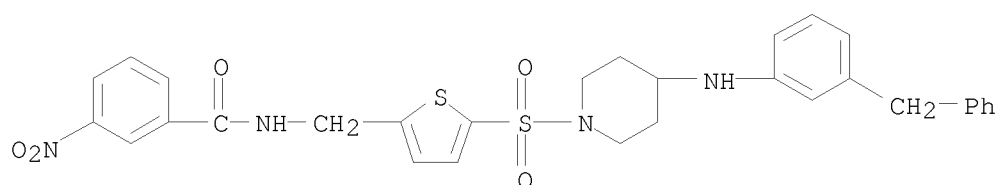
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10/070,954



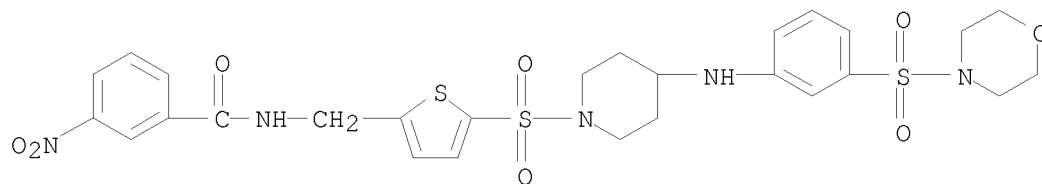
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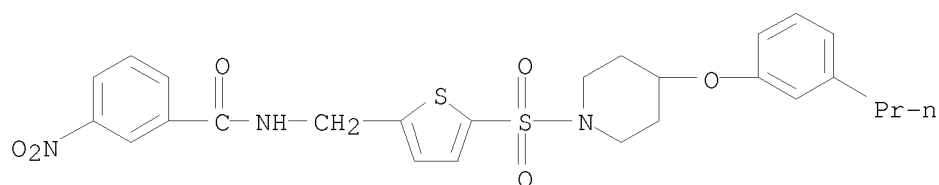
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CN Benzamide, N-[[5-[[4-[[3-(4-morpholinylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848558-46-3 CAPLUS

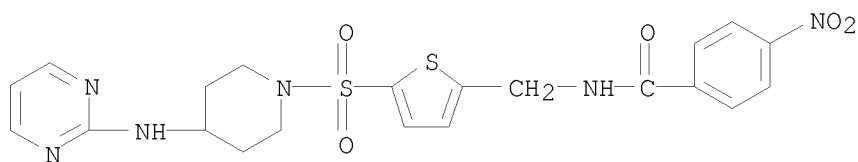
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RN 848558-47-4 CAPLUS

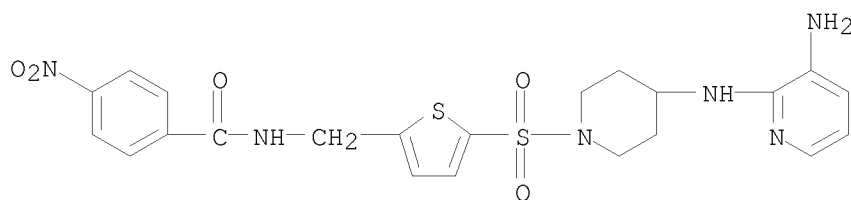
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10/070,954



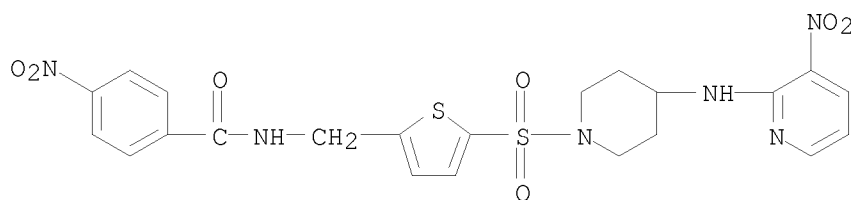
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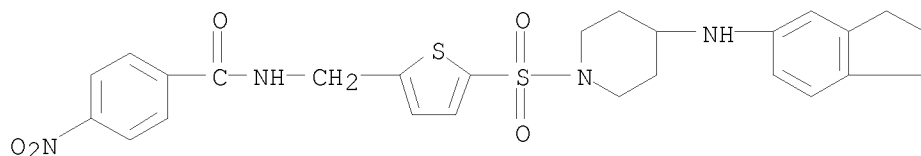
RN 848558-49-6 CAPLUS

CN Benzamide, 4-nitro-N-[[5-[[4-[(3-nitro-2-pyridinyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-50-9 CAPLUS

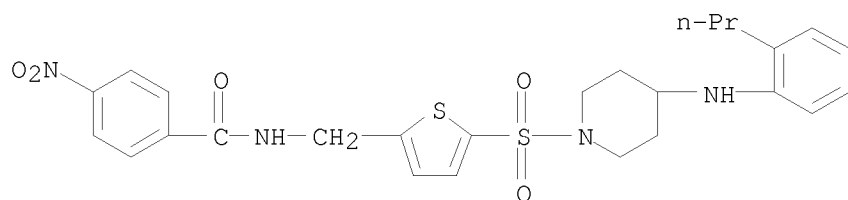
CN Benzamide, N-[[5-[[4-[(2,3-dihydro-1H-inden-5-yl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



RN 848558-51-0 CAPLUS

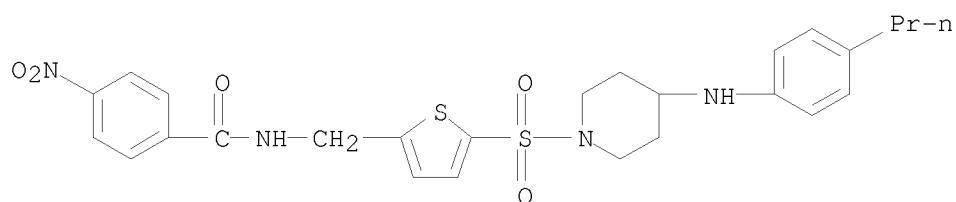
CN Benzamide, 4-nitro-N-[[5-[[4-[(2-propylphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



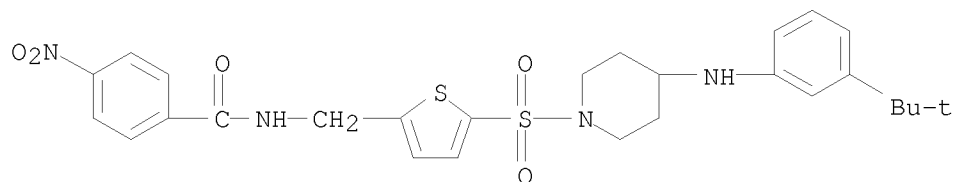
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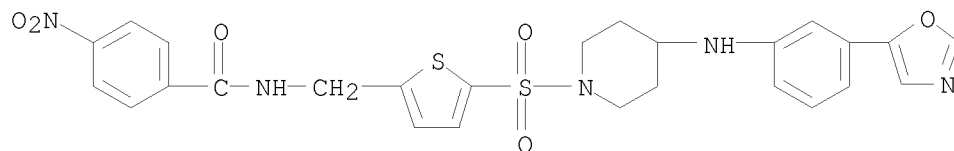
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CN Benzamide, N-[[5-[[4-[[3-(1,1-dimethylethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



RN 848558-54-3 CAPLUS

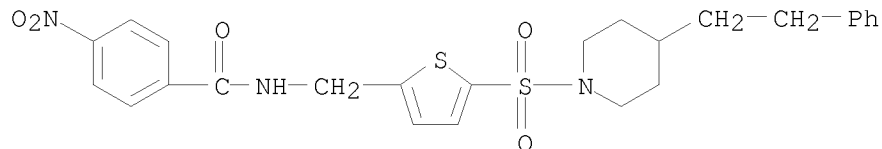
CN Benzamide, 4-nitro-N-[[5-[[4-[[3-(5-oxazolyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-55-4 CAPLUS

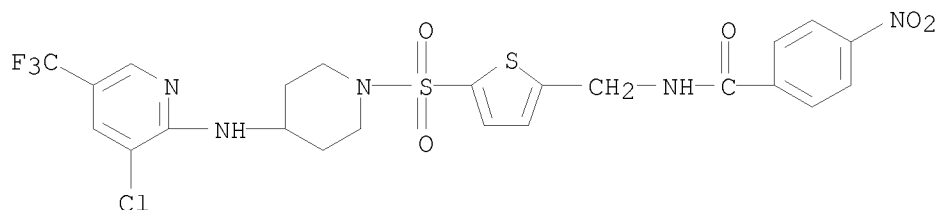
CN Benzamide, 4-nitro-N-[[5-[[4-(2-phenylethyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



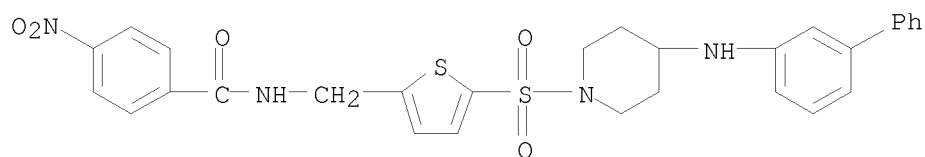
RN 848558-56-5 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



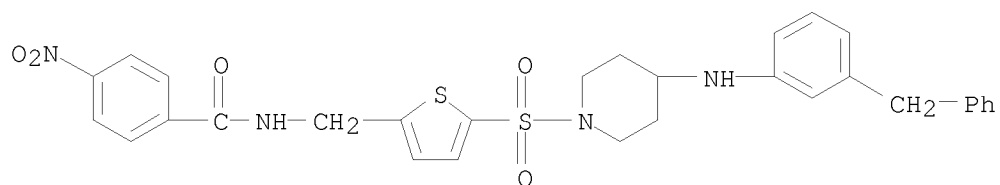
RN 848558-57-6 CAPLUS

CN Benzamide, N-[[5-[[4-([1,1'-biphenyl]-3-ylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)



RN 848558-58-7 CAPLUS

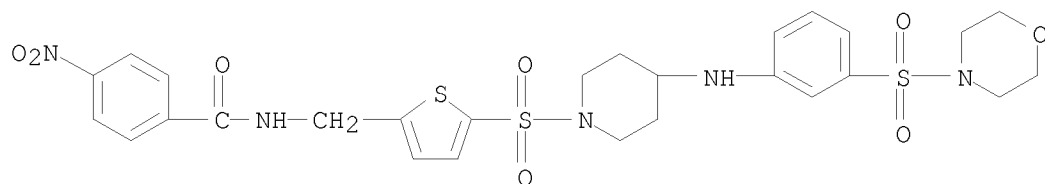
CN Benzamide, 4-nitro-N-[[5-[[4-[[3-(phenylmethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-59-8 CAPLUS

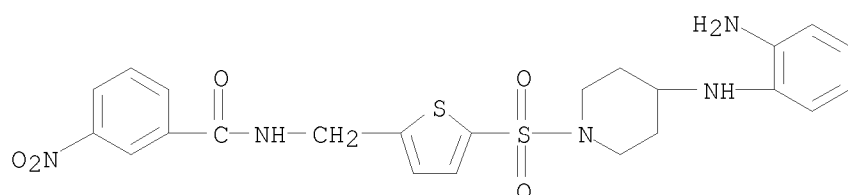
CN Benzamide, N-[[5-[[4-[[3-(4-morpholinylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-nitro- (CA INDEX NAME)

10/070,954



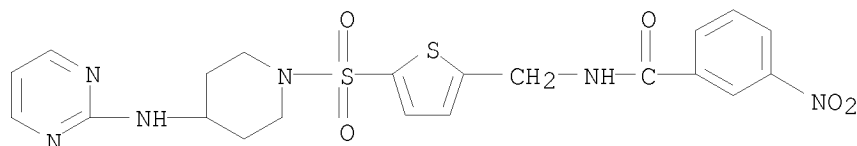
RN 848558-60-1 CAPLUS

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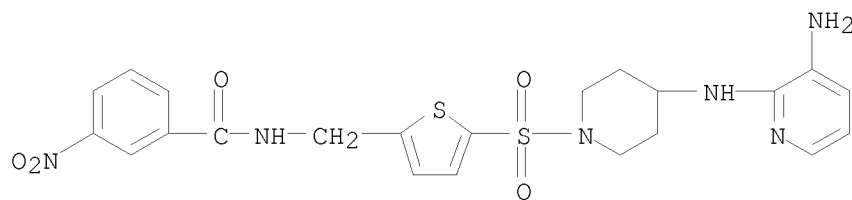
RN 848558-61-2 CAPLUS

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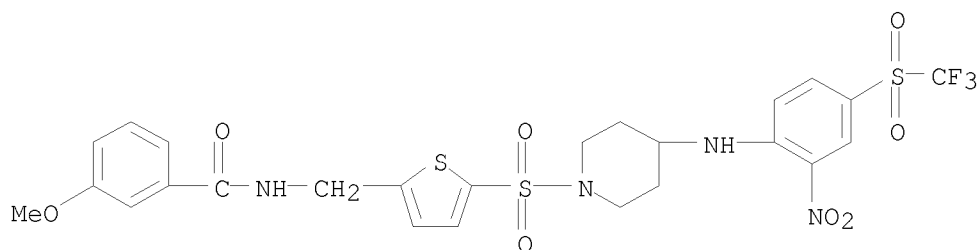
RN 848558-62-3 CAPLUS

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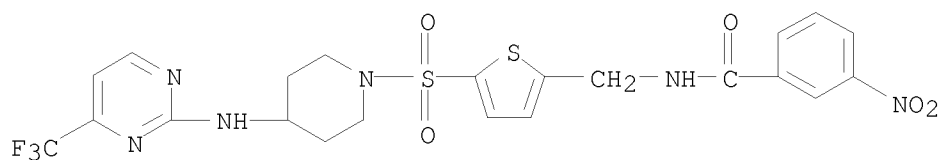
RN 848558-63-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-nitro-4-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



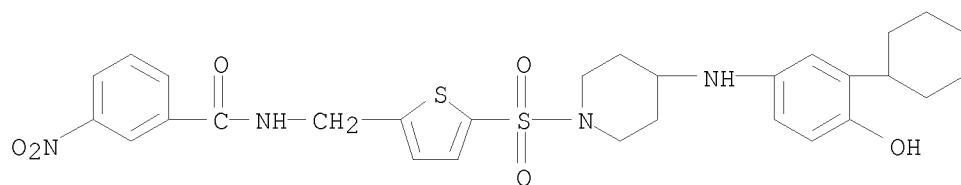
RN 848558-65-6 CAPLUS

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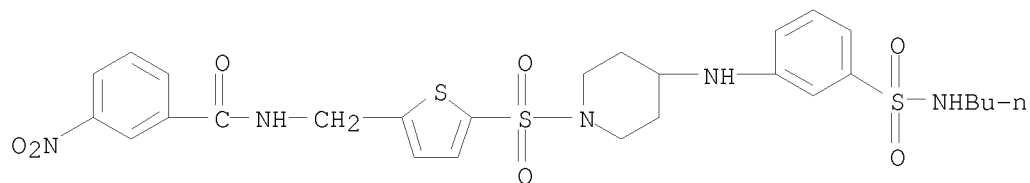
RN 848558-66-7 CAPLUS

CN Benzamide, N-[[5-[[4-[(3-cyclohexyl-4-hydroxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848558-67-8 CAPLUS

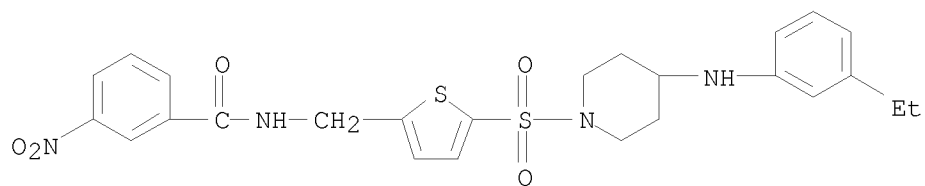
CN Benzamide, N-[[5-[[4-[[3-[(butylamino)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848558-68-9 CAPLUS

CN Benzamide, N-[[5-[[4-[(3-ethylphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)

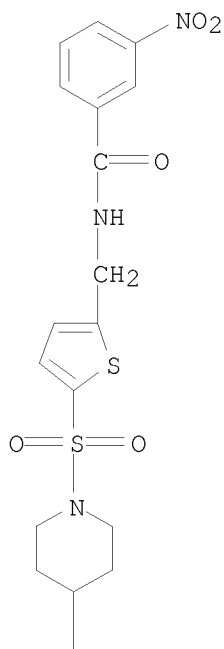
10/070,954



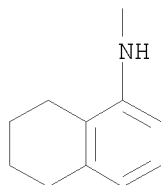
RN 848558-69-0 CAPLUS

CN Benzamide, 3-nitro-N-[[5-[[4-[(5,6,7,8-tetrahydro-1-naphthalenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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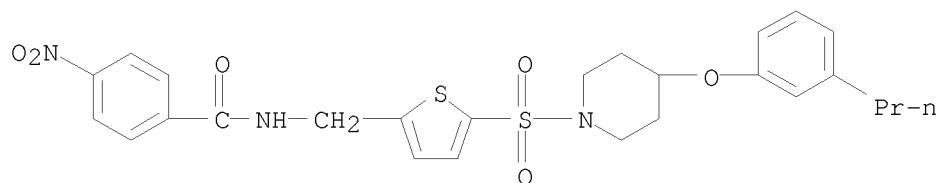


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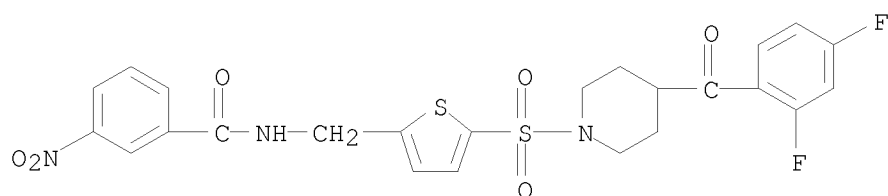
RN 848558-70-3 CAPLUS

CN Benzamide, 4-nitro-N-[[5-[[4-(3-propylphenoxy)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



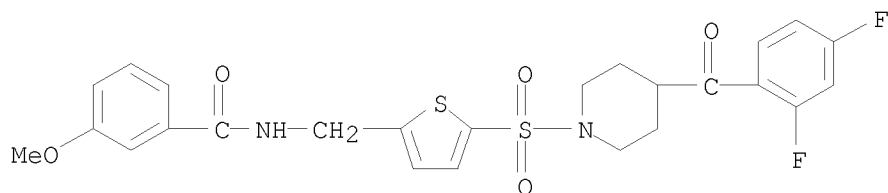
RN 848558-71-4 CAPLUS

CN Benzamide, N-[[5-[[4-(2,4-difluorobenzoyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



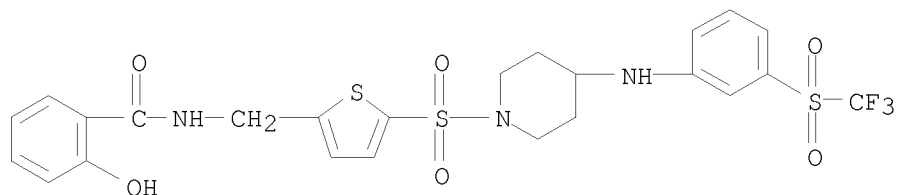
RN 848558-72-5 CAPLUS

CN Benzamide, N-[[5-[[4-(2,4-difluorobenzoyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848558-73-6 CAPLUS

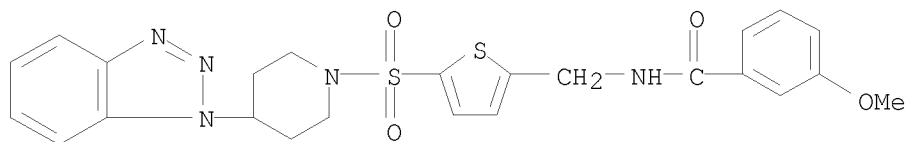
CN Benzamide, 2-hydroxy-N-[[5-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-74-7 CAPLUS

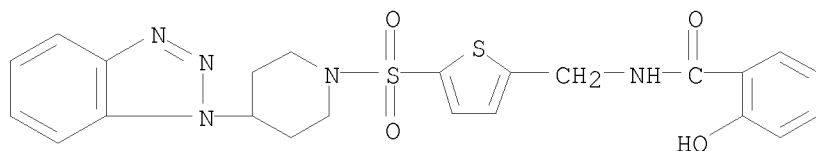
CN Benzamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



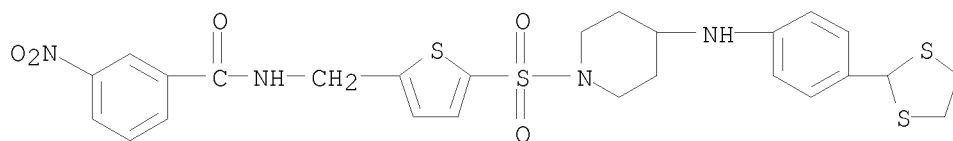
RN 848558-75-8 CAPLUS

CN Benzamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-2-hydroxy- (CA INDEX NAME)



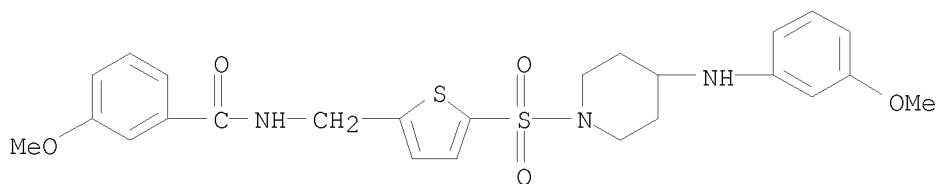
RN 848558-76-9 CAPLUS

CN Benzamide, N-[[5-[[4-[[4-(1,3-dithiolan-2-yl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-nitro- (CA INDEX NAME)



RN 848558-77-0 CAPLUS

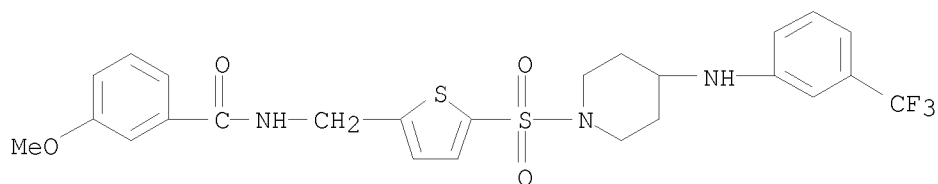
CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(methoxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



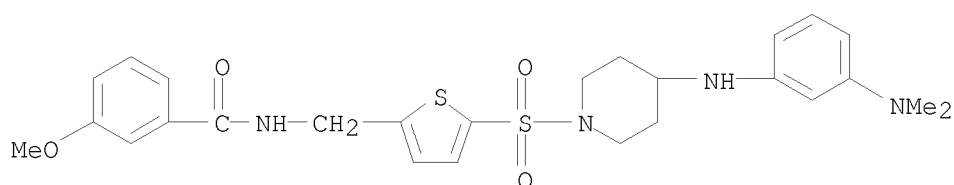
RN 848558-78-1 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

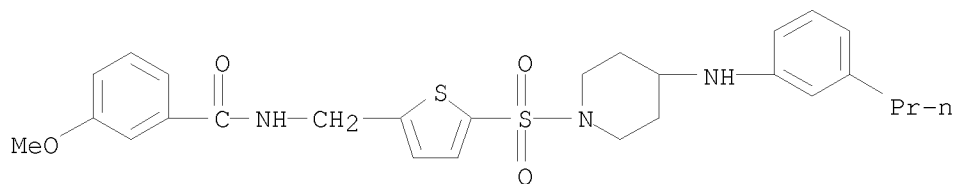
10/070,954



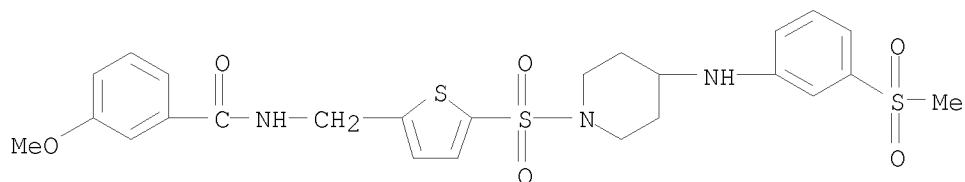
RN 848558-79-2 CAPLUS
CN Benzamide, N-[[5-[[4-[[3-(dimethylamino)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848558-80-5 CAPLUS
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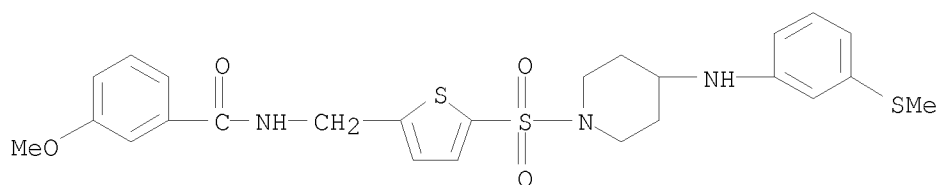


RN 848558-81-6 CAPLUS
CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(methylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



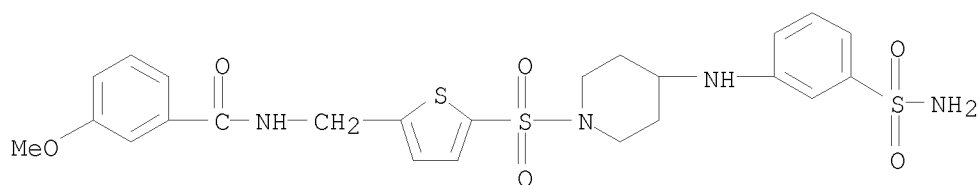
RN 848558-82-7 CAPLUS
CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(methylthio)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



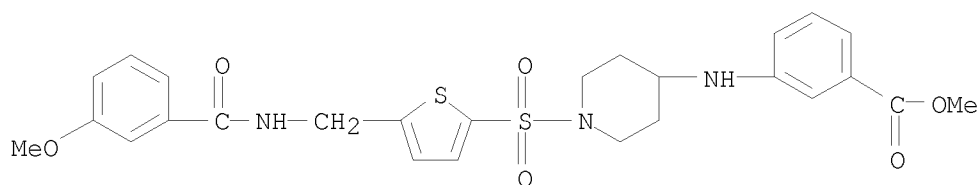
RN 848558-83-8 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-(aminosulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



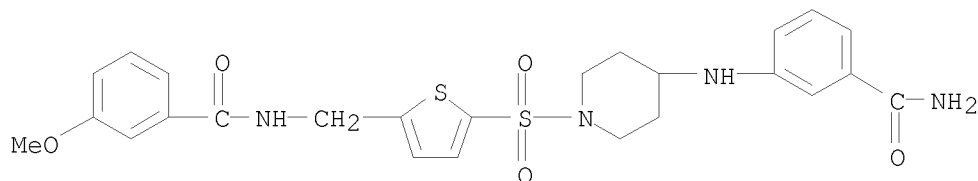
RN 848558-84-9 CAPLUS

CN Benzoic acid, 3-[[1-[[5-[[3-(3-methoxybenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]amino]-, methyl ester (CA INDEX NAME)



RN 848558-85-0 CAPLUS

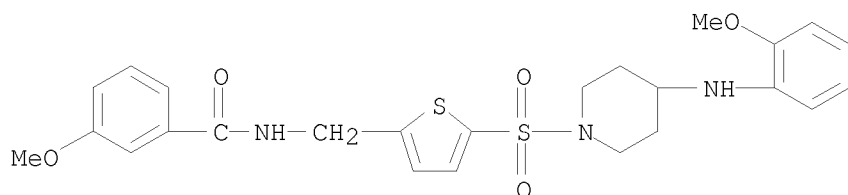
CN Benzamide, N-[[5-[[4-[[3-(aminocarbonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848558-86-1 CAPLUS

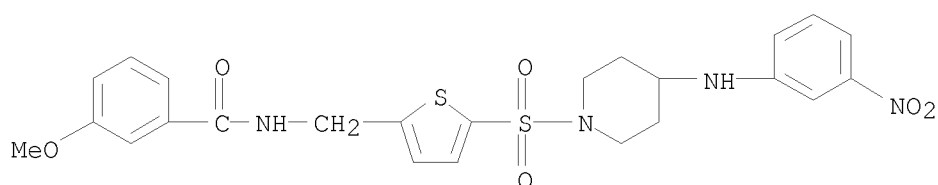
CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-methoxyphenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



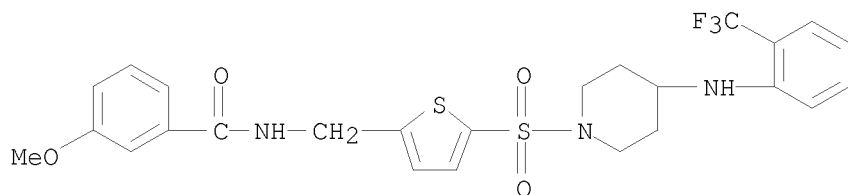
RN 848558-87-2 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(3-nitrophenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



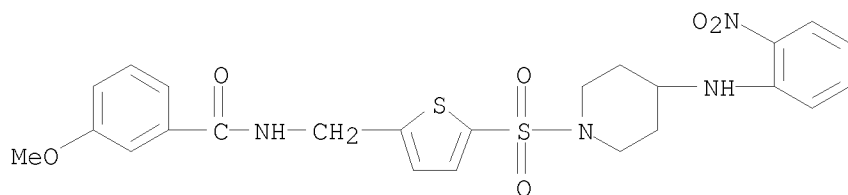
RN 848558-88-3 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848558-89-4 CAPLUS

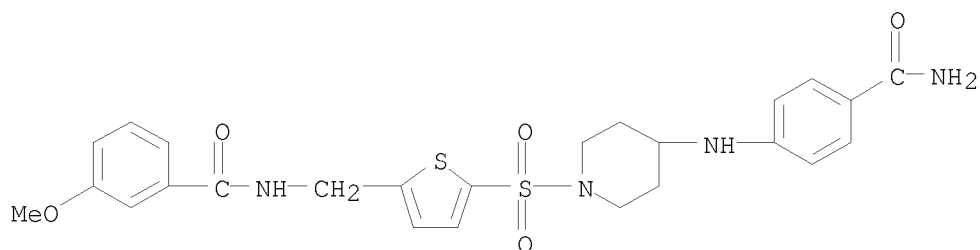
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RN 848558-90-7 CAPLUS

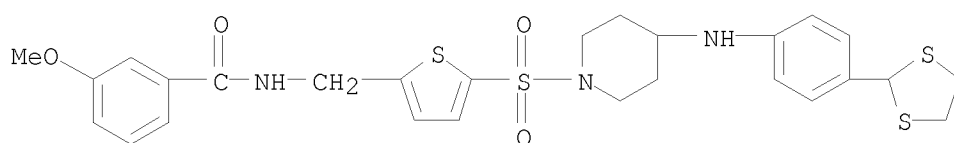
CN Benzamide, N-[[5-[[4-[[4-(aminocarbonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



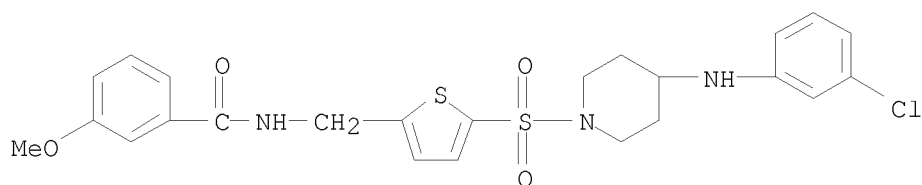
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CN Benzamide, N-[[5-[[4-[[4-(1,3-dithiolan-2-yl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



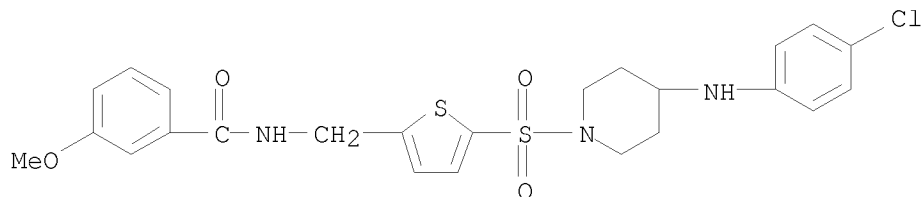
RN 848558-92-9 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-chlorophenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848558-93-0 CAPLUS

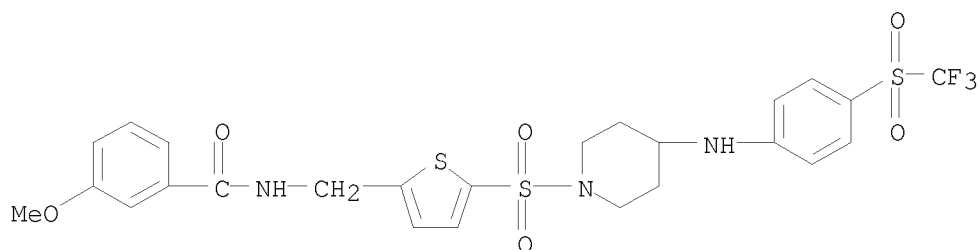
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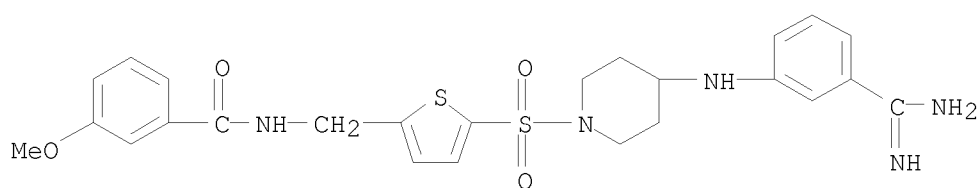
RN 848558-94-1 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954

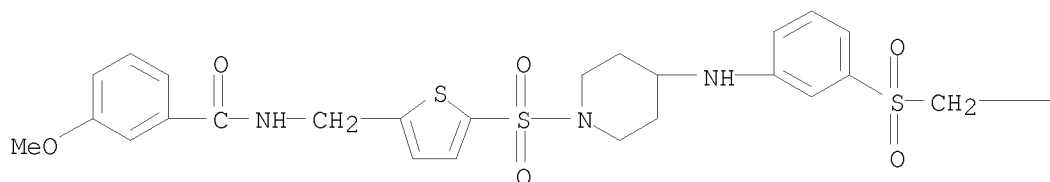


RN 848558-95-2 CAPLUS
CN Benzamide, N-[[5-[[4-[[3-(aminoiminomethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848558-96-3 CAPLUS
CN Benzamide, N-[[5-[[4-[[3-[(2-hydroxyethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

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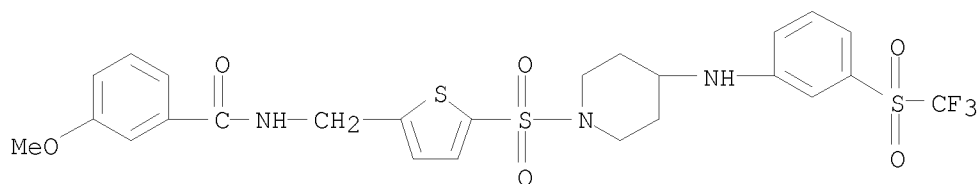


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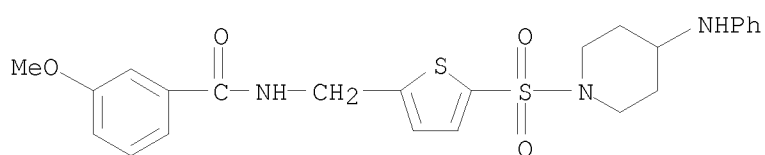
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CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



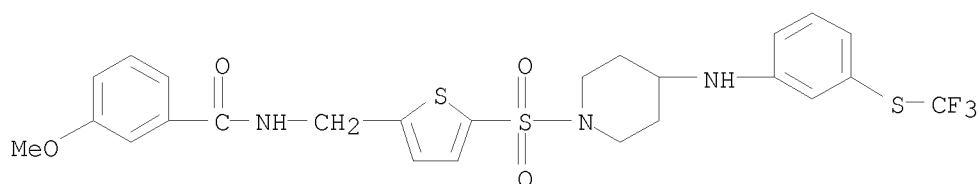
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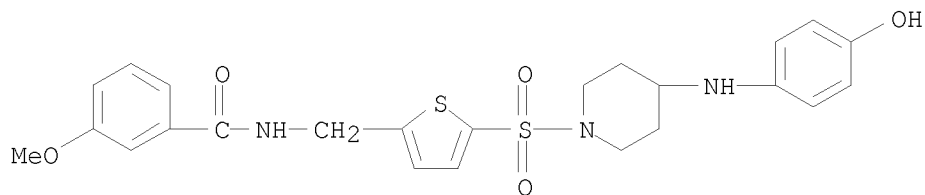
RN 848558-99-6 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-[(trifluoromethyl)thio]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-00-2 CAPLUS

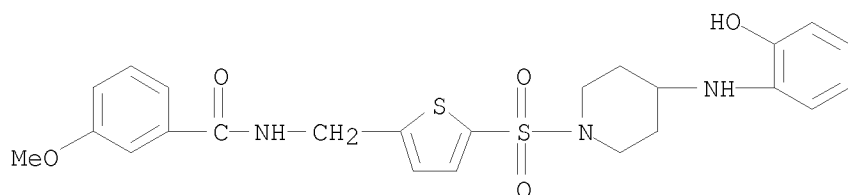
CN Benzamide, N-[[5-[[4-[(4-hydroxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848559-01-3 CAPLUS

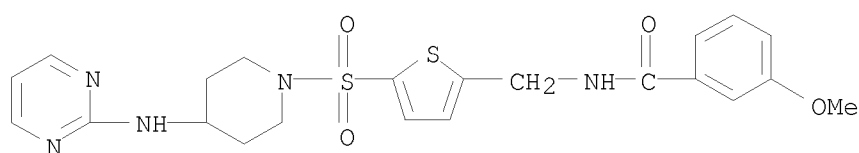
CN Benzamide, N-[[5-[[4-[(2-hydroxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



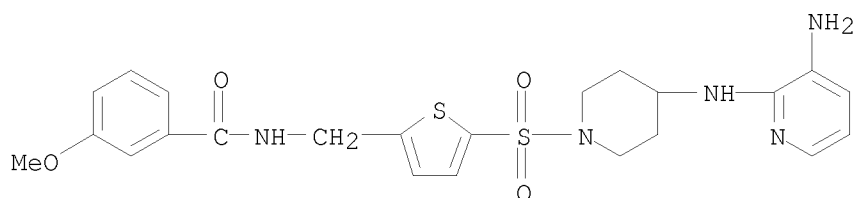
RN 848559-02-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-(2-pyrimidinylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



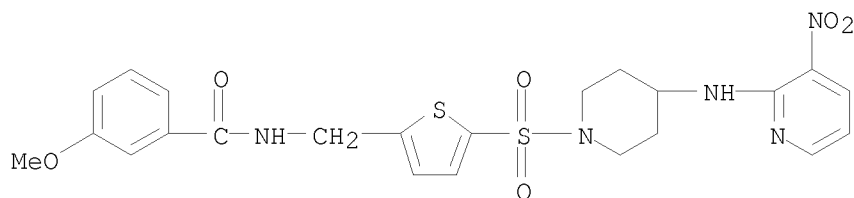
RN 848559-03-5 CAPLUS

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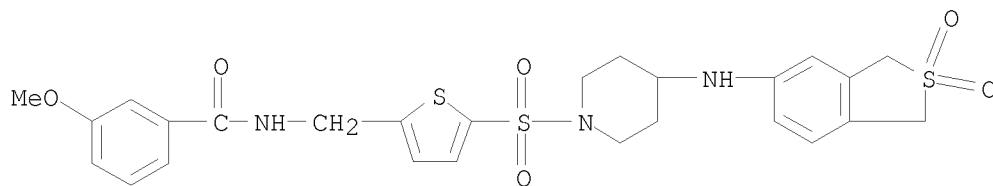
RN 848559-04-6 CAPLUS

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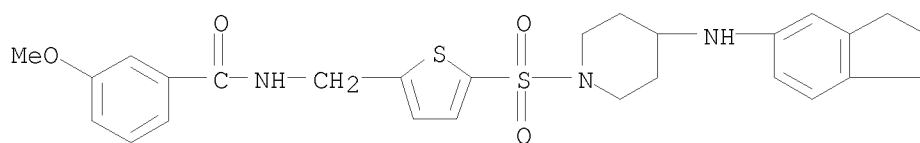


RN 848559-05-7 CAPLUS

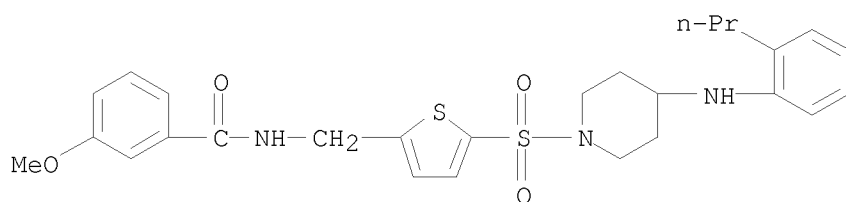
CN Benzamide, N-[[5-[[4-[(1,3-dihydro-2,2-dioxidobenzo[c]thien-5-yl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



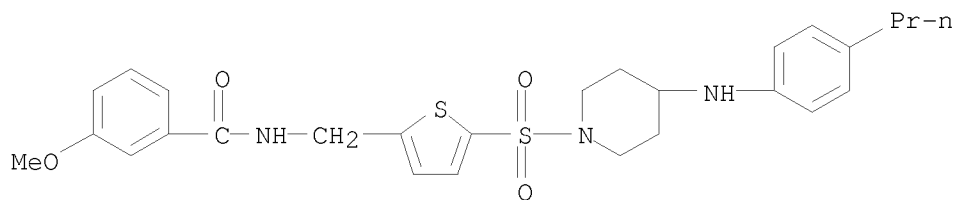
RN 848559-06-8 CAPLUS
 CN Benzamide, N-[[5-[[4-[(2,3-dihydro-1H-inden-5-yl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848559-07-9 CAPLUS
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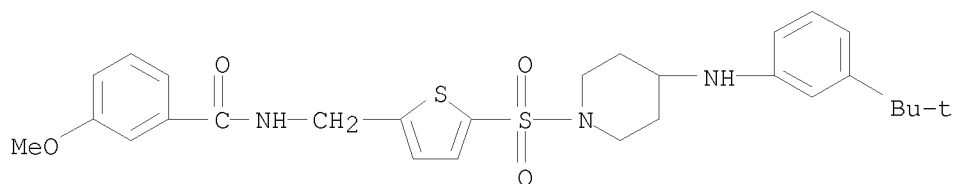


RN 848559-08-0 CAPLUS
 CN Benzamide, 3-methoxy-N-[[5-[[4-[(4-propylphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



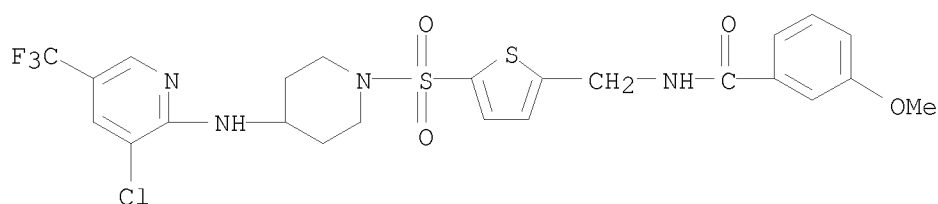
RN 848559-09-1 CAPLUS
 CN Benzamide, N-[[5-[[4-[[3-(1,1-dimethylethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



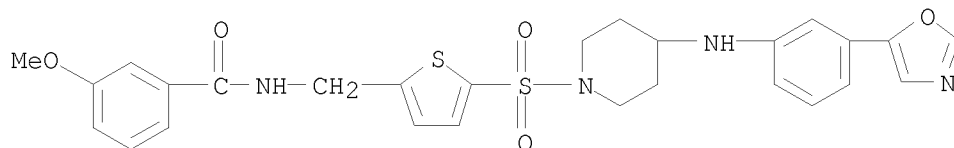
RN 848559-10-4 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



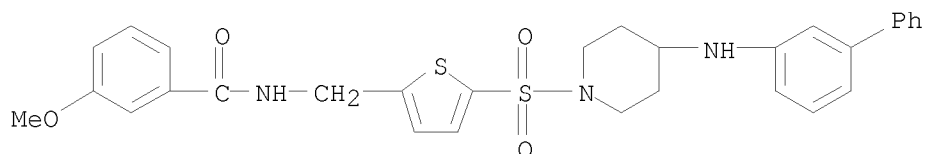
RN 848559-11-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(5-oxazolyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-12-6 CAPLUS

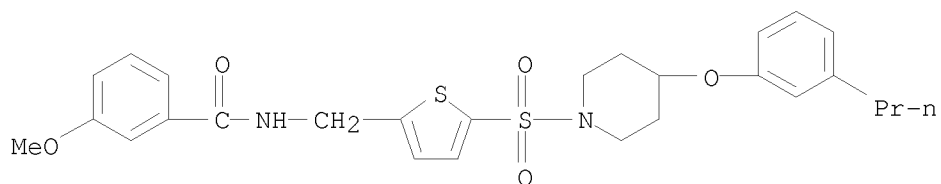
CN Benzamide, N-[[5-[[4-([1,1'-biphenyl]-3-ylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848559-13-7 CAPLUS

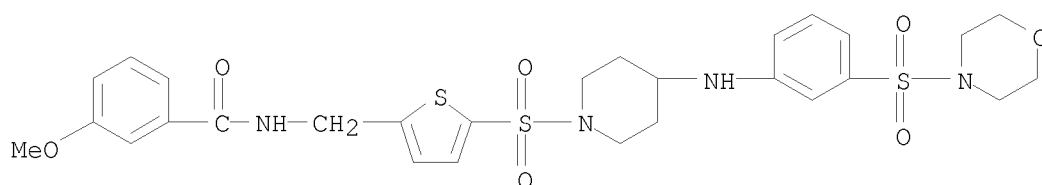
CN Benzamide, 3-methoxy-N-[[5-[[4-(3-propylphenoxy)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



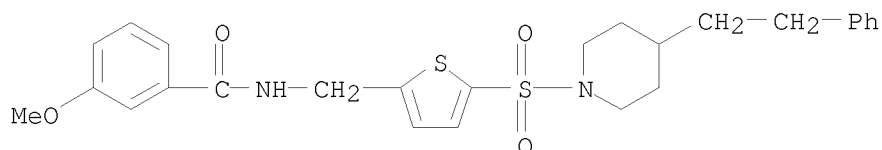
RN 848559-14-8 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(4-morpholinylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



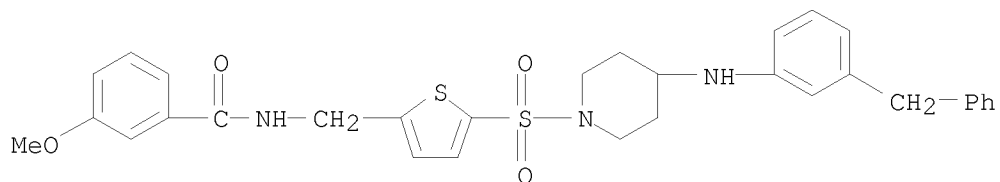
RN 848559-15-9 CAPLUS

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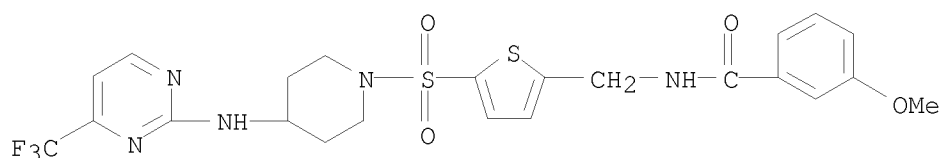
RN 848559-16-0 CAPLUS

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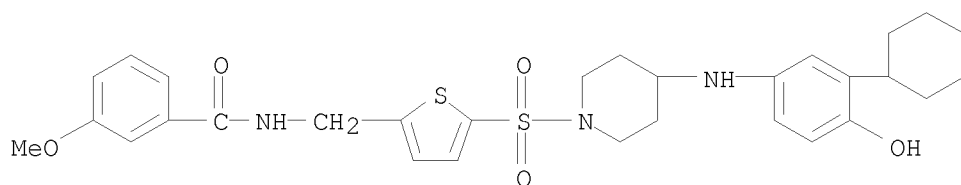
RN 848559-18-2 CAPLUS

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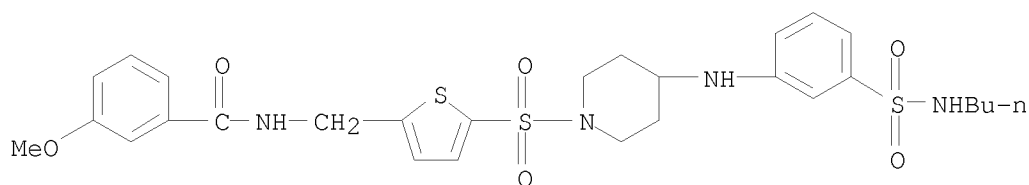
RN 848559-19-3 CAPLUS

CN Benzamide, N-[[5-[[4-[(3-cyclohexyl-4-hydroxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



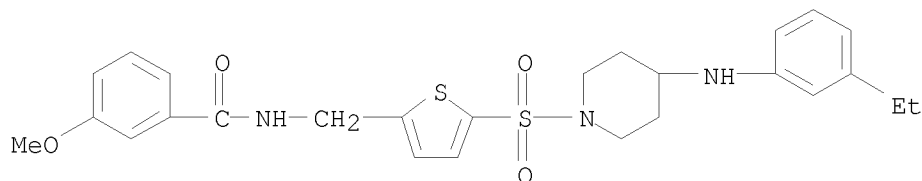
RN 848559-20-6 CAPLUS

CN Benzamide, N-[[5-[[4-[(3-(butylamino)sulfonyl]phenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848559-21-7 CAPLUS

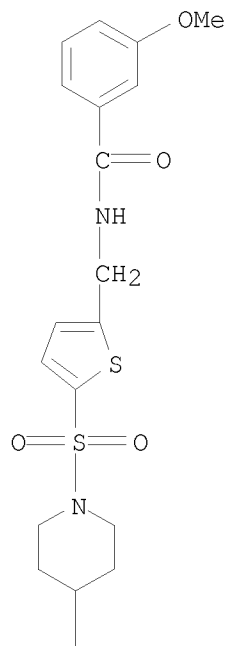
CN Benzamide, N-[[5-[[4-[(3-ethylphenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



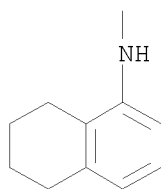
RN 848559-22-8 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(5,6,7,8-tetrahydro-1-naphthalenyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

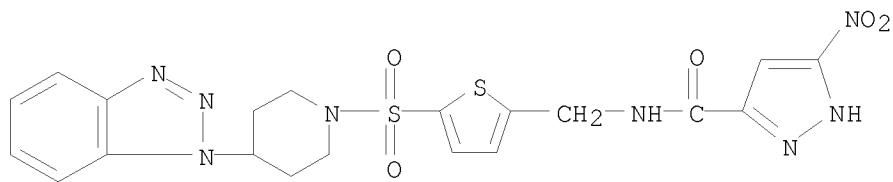
PAGE 1-A



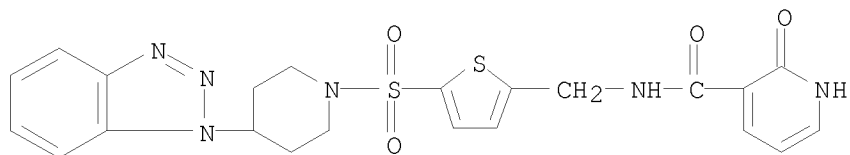
PAGE 2-A



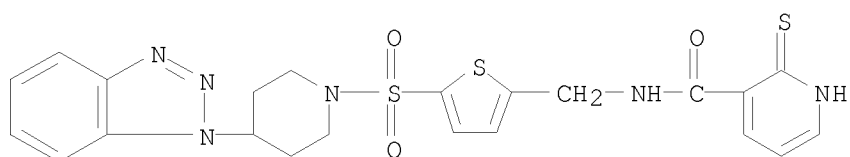
RN 848559-23-9 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-5-nitro- (CA INDEX NAME)



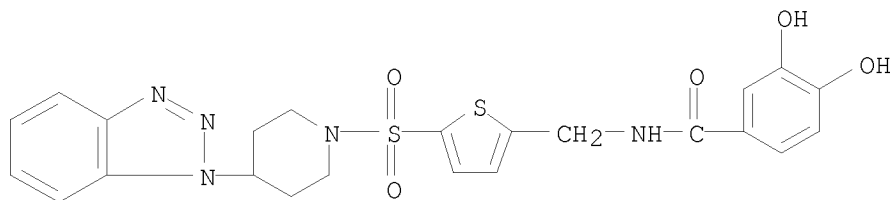
RN 848559-24-0 CAPLUS
 CN 3-Pyridinecarboxamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1,2-dihydro-2-oxo- (CA INDEX NAME)



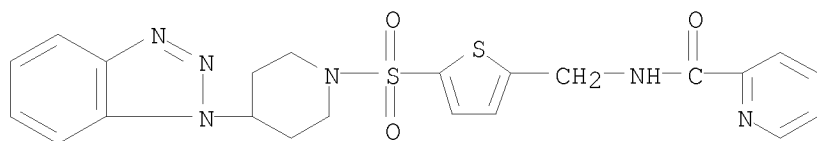
RN 848559-25-1 CAPLUS
 CN 3-Pyridinecarboxamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1,2-dihydro-2-thioxo- (CA INDEX NAME)



RN 848559-26-2 CAPLUS
 CN Benzamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3,4-dihydroxy- (CA INDEX NAME)

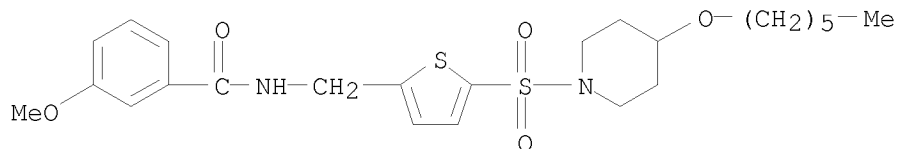


RN 848559-27-3 CAPLUS
 CN 2-Pyridinecarboxamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



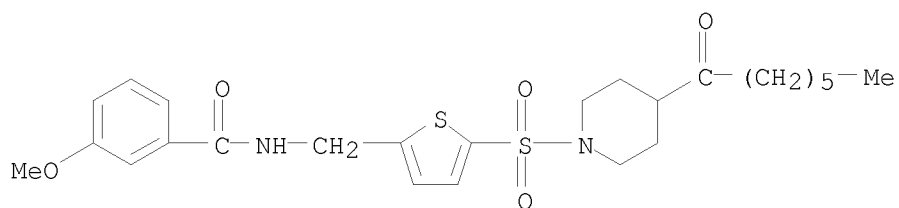
RN 848559-28-4 CAPLUS
 CN Benzamide, N-[[5-[[4-(hexyloxy)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

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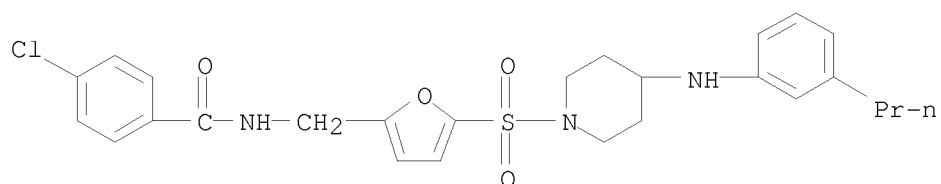
RN 848559-29-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-(1-oxoheptyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



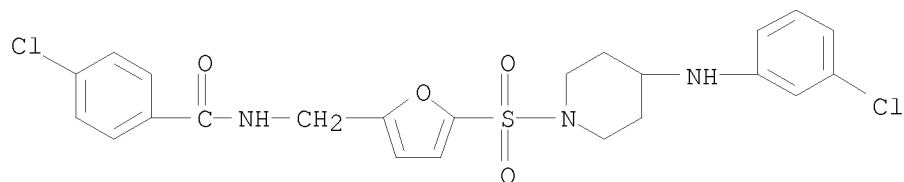
RN 848559-30-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(3-propylphenyl)amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



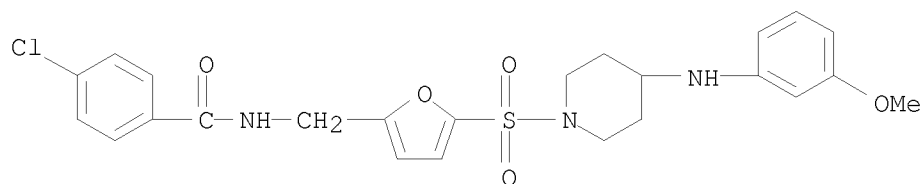
RN 848559-31-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(3-chlorophenyl)amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)

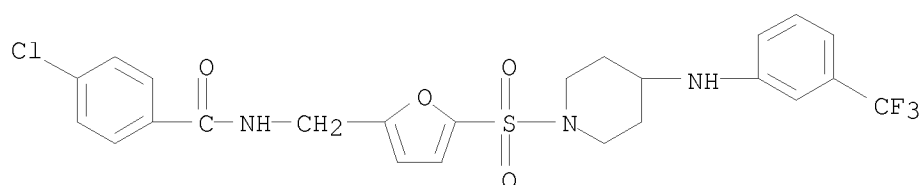


RN 848559-32-0 CAPLUS

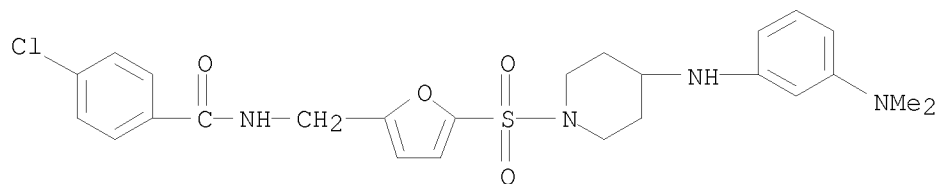
CN Benzamide, 4-chloro-N-[[5-[[4-[(3-methoxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



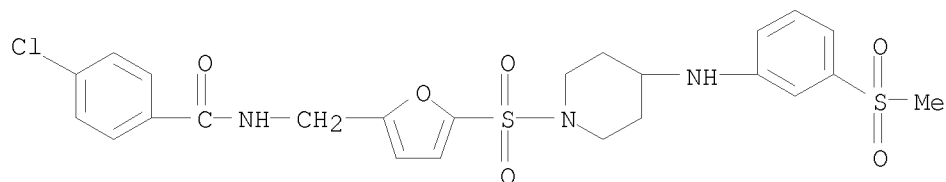
RN 848559-33-1 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 848559-34-2 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(dimethylamino)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)

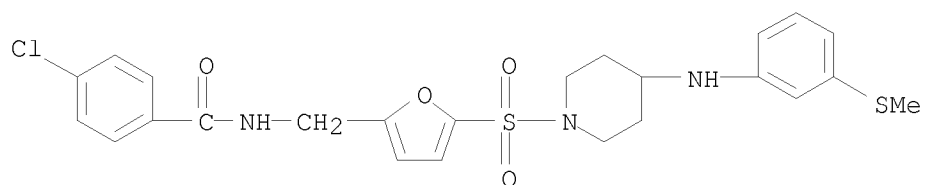


RN 848559-35-3 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(methylsulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



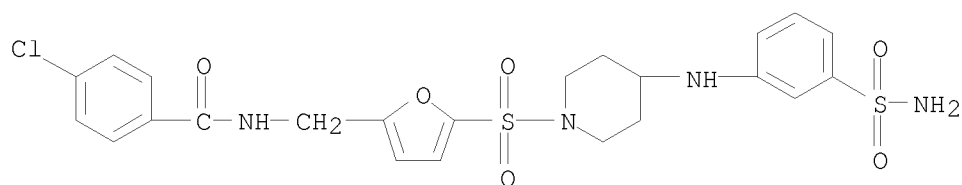
RN 848559-36-4 CAPLUS
 CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(methylthio)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)

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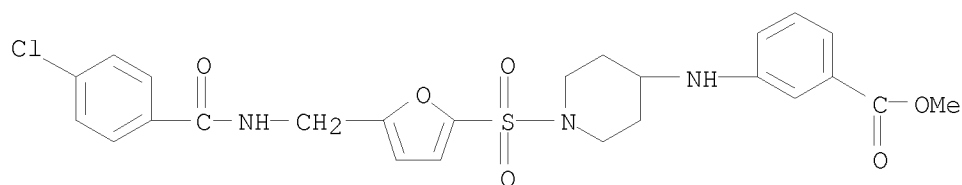
RN 848559-37-5 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-(aminosulfonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]-4-chloro- (CA INDEX NAME)



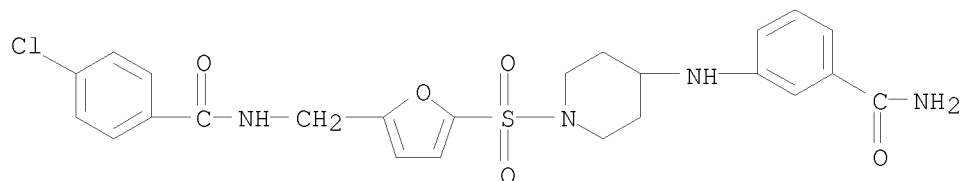
RN 848559-38-6 CAPLUS

CN Benzoic acid, 3-[[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-furanyl]sulfonyl]-4-piperidinyl]amino]-, methyl ester (CA INDEX NAME)



RN 848559-39-7 CAPLUS

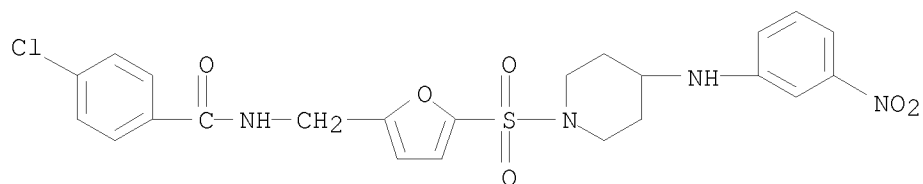
CN Benzamide, N-[[5-[[4-[[3-(aminocarbonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]-4-chloro- (CA INDEX NAME)



RN 848559-40-0 CAPLUS

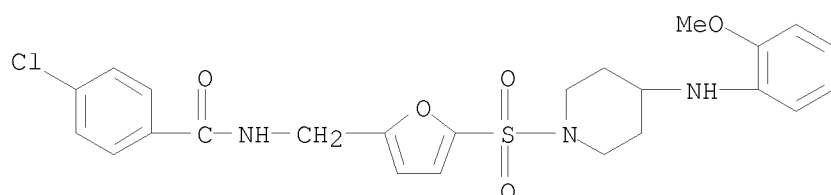
CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(nitrophenyl)amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)

10/070,954



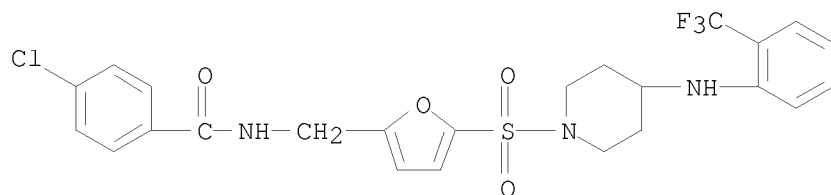
RN 848559-41-1 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(2-methoxyphenyl)amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



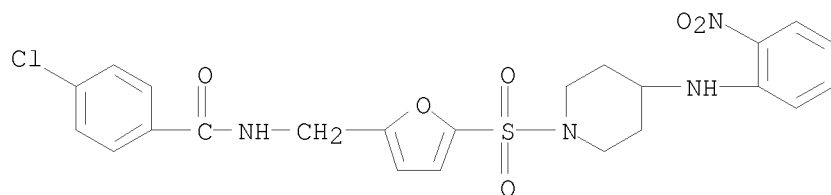
RN 848559-42-2 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 848559-43-3 CAPLUS

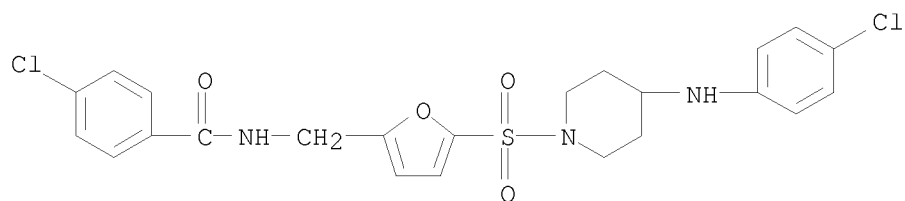
CN Benzamide, 4-chloro-N-[[5-[[4-[(2-nitrophenyl)amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 848559-44-4 CAPLUS

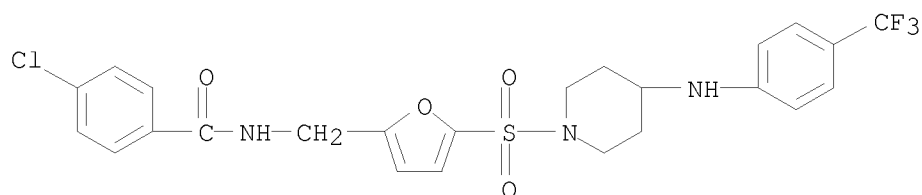
CN Benzamide, 4-chloro-N-[[5-[[4-[(4-chlorophenyl)amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)

10/070,954



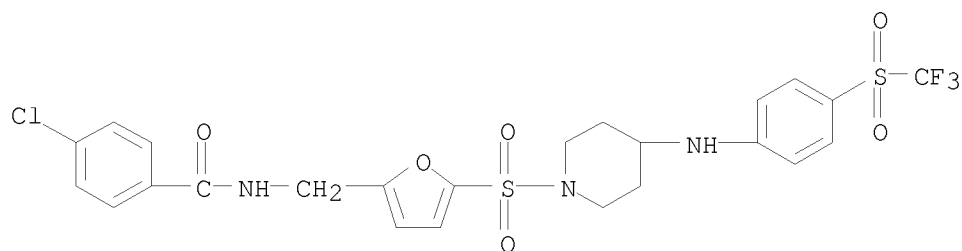
RN 848559-45-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(trifluoromethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



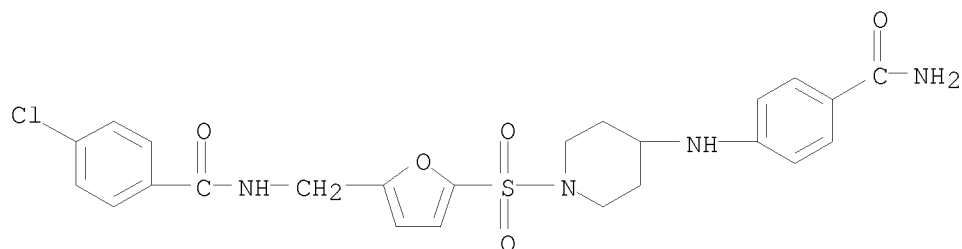
RN 848559-46-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[4-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 848559-47-7 CAPLUS

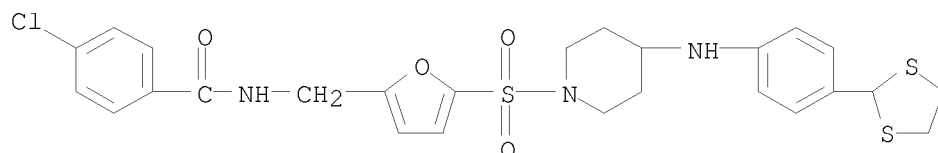
CN Benzamide, N-[[5-[[4-[[4-(aminocarbonyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl]methyl]-4-chloro- (CA INDEX NAME)



RN 848559-48-8 CAPLUS

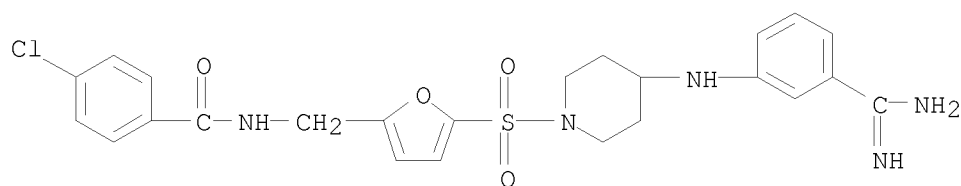
CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(1,3-dithiolan-2-yl)phenyl]amino]-1-

piperidinyl]sulfonyl]-2-furanyl)methyl]- (CA INDEX NAME)



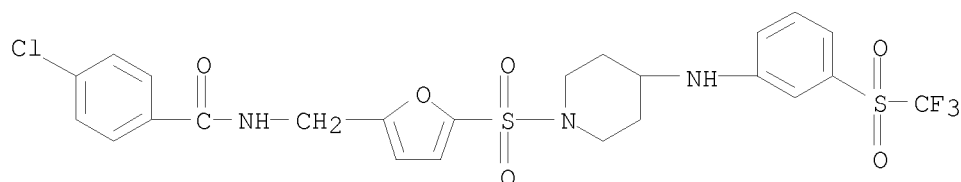
RN 848559-49-9 CAPLUS

CN Benzamide, N-[[5-[[4-[[3-(aminoiminomethyl)phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl)methyl]-4-chloro- (CA INDEX NAME)



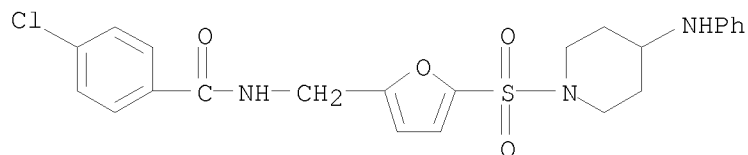
RN 848559-50-2 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl)methyl]- (CA INDEX NAME)



RN 848559-51-3 CAPLUS

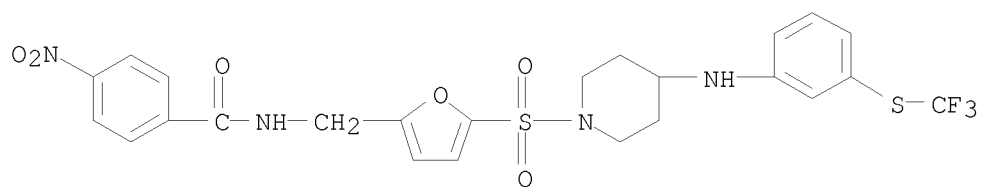
CN Benzamide, 4-chloro-N-[[5-[[4-(phenylamino)-1-piperidinyl]sulfonyl]-2-furanyl)methyl]- (CA INDEX NAME)



RN 848559-52-4 CAPLUS

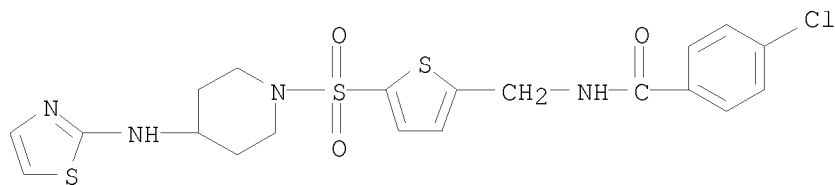
CN Benzamide, 4-nitro-N-[[5-[[4-[[3-[(trifluoromethyl)thio]phenyl]amino]-1-piperidinyl]sulfonyl]-2-furanyl)methyl]- (CA INDEX NAME)

10/070,954



RN 848559-55-7 CAPLUS

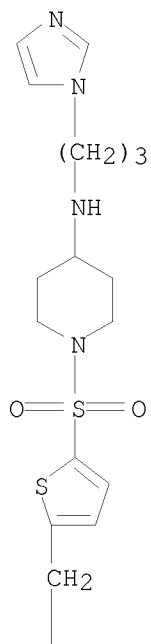
CN Benzamide, 4-chloro-N-[[5-[[4-(2-thiazolylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



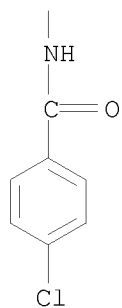
RN 848559-56-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[3-(1H-imidazol-1-yl)propyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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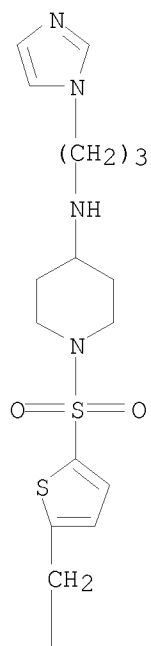


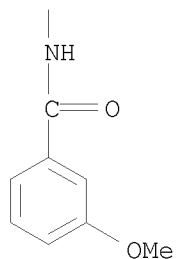
PAGE 2-A



RN 848559-57-9 CAPLUS
 CN Benzamide, N-[[5-[[4-[[3-(1H-imidazol-1-yl)propyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

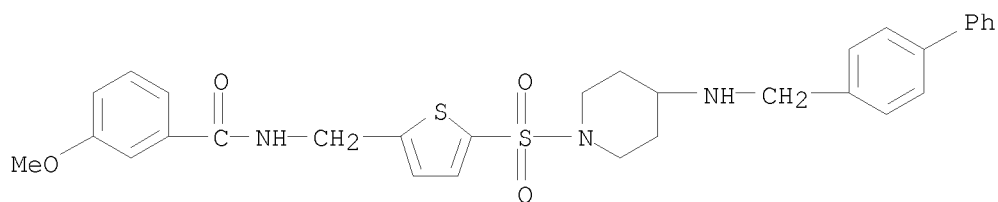
PAGE 1-A





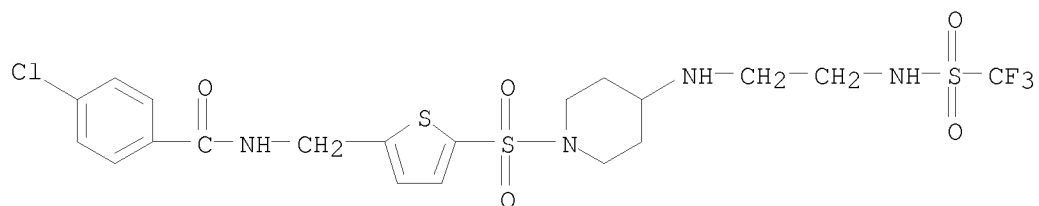
RN 848559-58-0 CAPLUS

CN Benzamide, N-[[5-[[4-[[[1,1'-biphenyl]-4-ylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



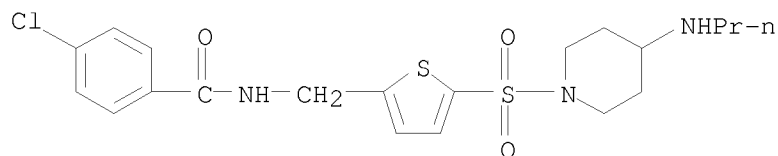
RN 848559-59-1 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-[[[(trifluoromethyl)sulfonyl]amino]ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-60-4 CAPLUS

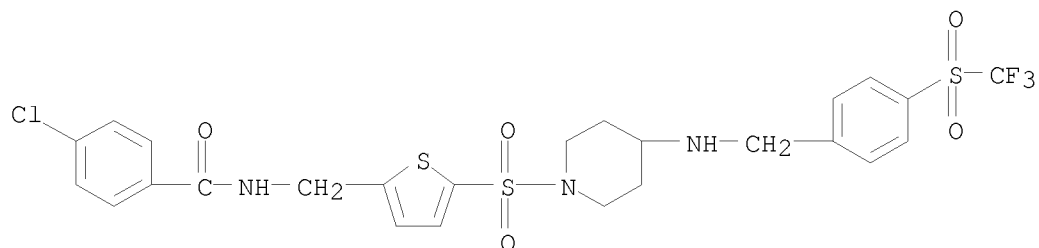
CN Benzamide, 4-chloro-N-[[5-[[4-(propylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-61-5 CAPLUS

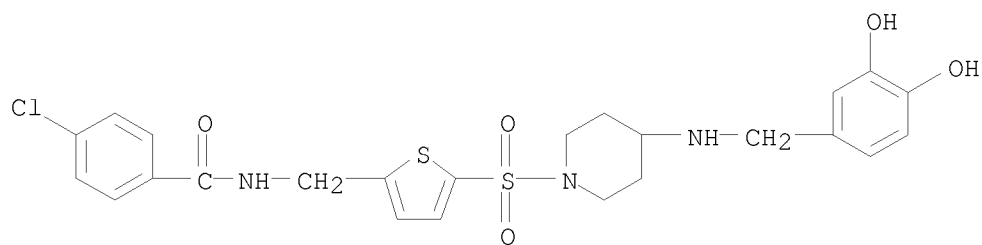
CN Benzamide, 4-chloro-N-[[5-[[4-[[[4-

[(trifluoromethyl)sulfonyl]phenyl)methyl]amino]-1-piperidinyl)sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



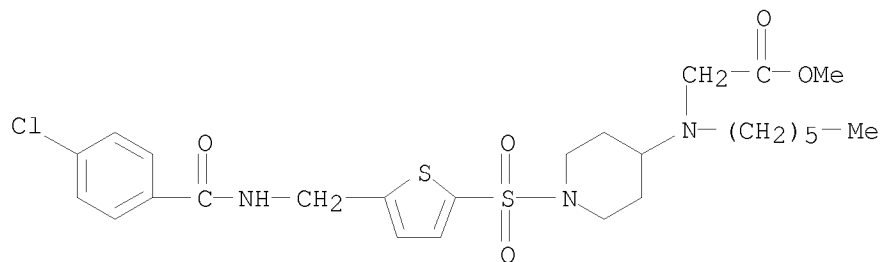
RN 848559-62-6 CAPLUS

Benzamide, 4-chloro-N-[[[5-[[[4-[(3,4-dihydroxyphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-63-7 CAPLUS

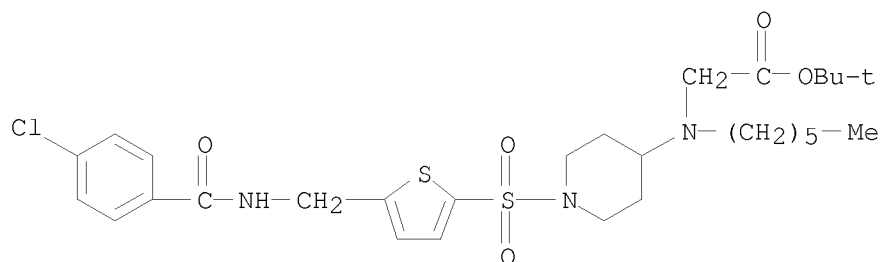
CN Glycine, N-[1-[5-[(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]-N-hexyl-, methyl ester (CA INDEX NAME)



RN 848559-64-8 CAPLUS

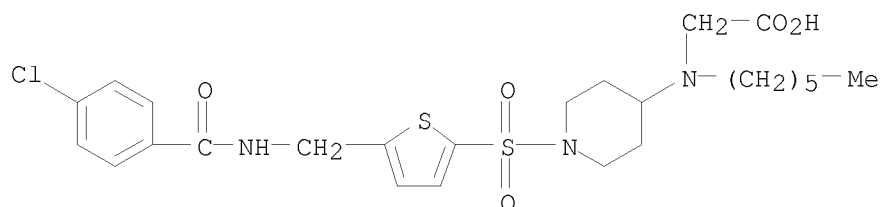
CN Glycine, N-[1-[5-[(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]-N-hexyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/070,954



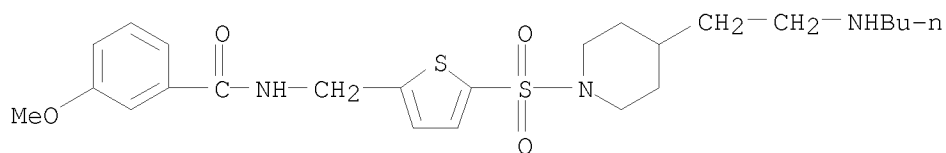
RN 848559-65-9 CAPLUS

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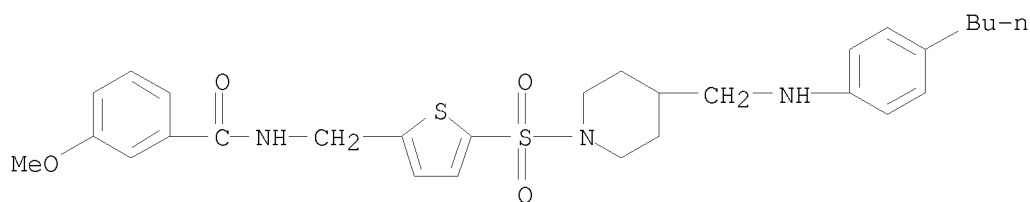
RN 848559-68-2 CAPLUS

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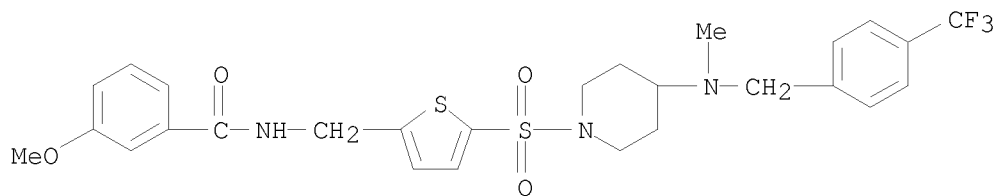
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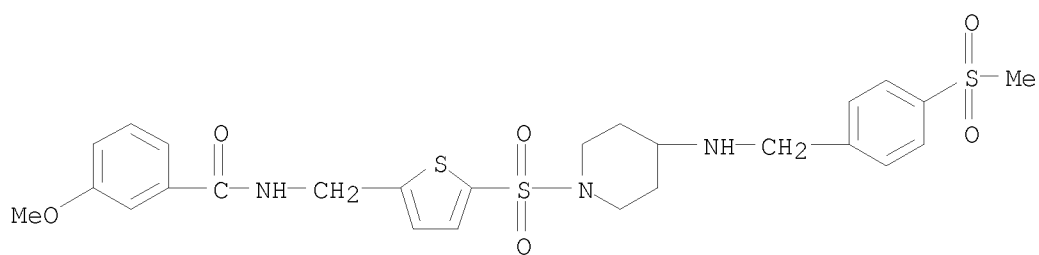
RN 848559-70-6 CAPLUS

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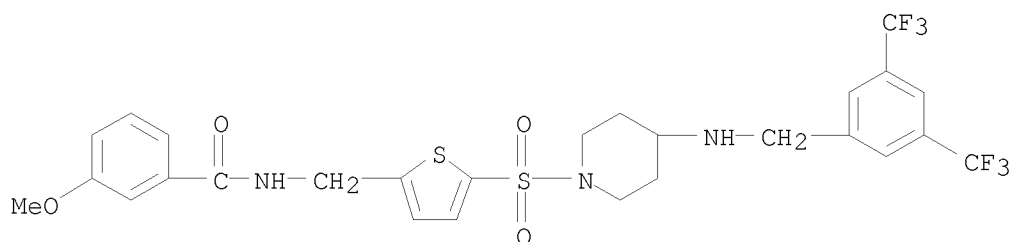
RN 848559-71-7 CAPLUS

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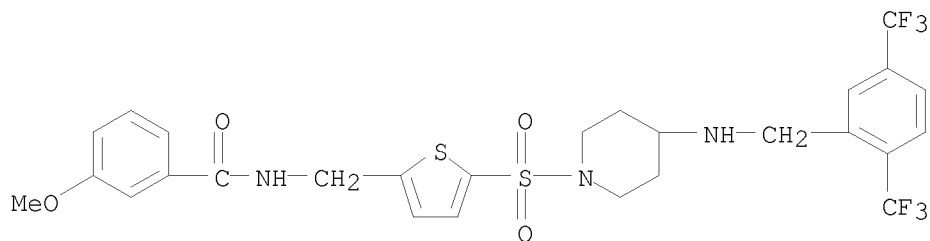
RN 848559-72-8 CAPLUS

CN Benzamide, N-[[5-[[4-[[[3,5-bis(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



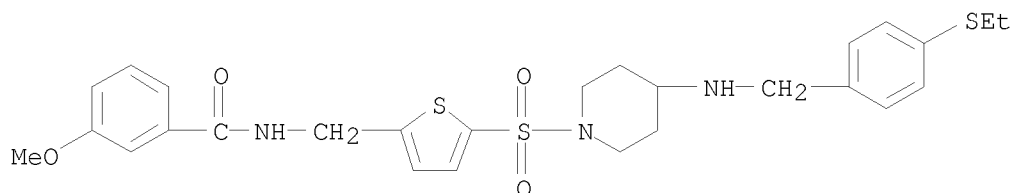
RN 848559-73-9 CAPLUS

CN Benzamide, N-[[5-[[4-[[[2,5-bis(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



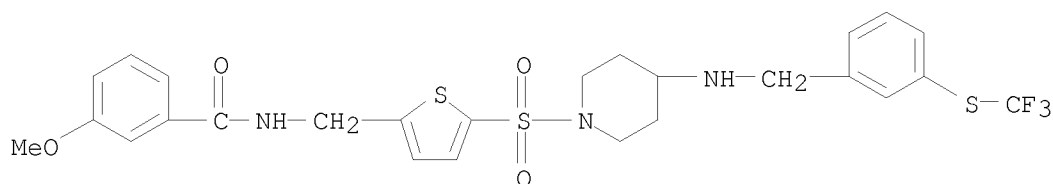
RN 848559-74-0 CAPLUS

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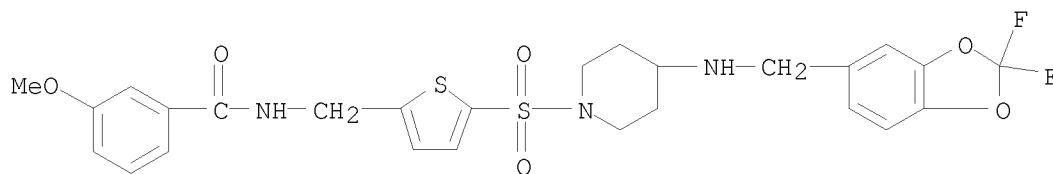
RN 848559-75-1 CAPLUS

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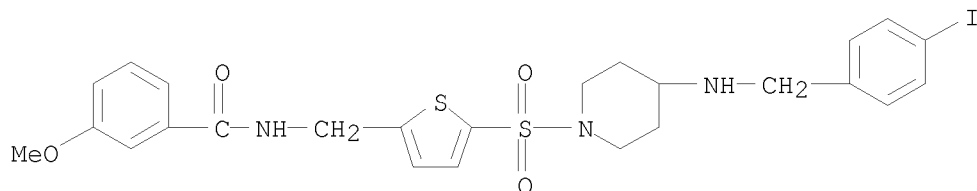
RN 848559-76-2 CAPLUS

CN Benzamide, N-[[5-[[4-[[[(2,2-difluoro-1,3-benzodioxol-5-yl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848559-77-3 CAPLUS

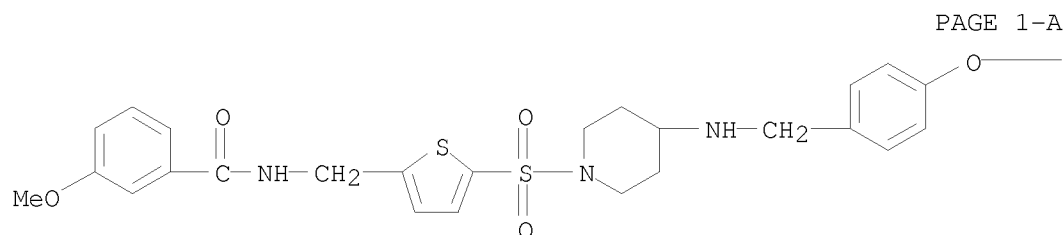
CN Benzamide, N-[[5-[[4-[[[(4-iodophenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



10/070,954

RN 848559-78-4 CAPLUS

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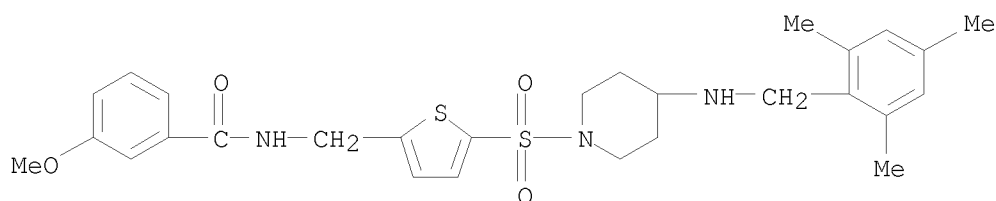


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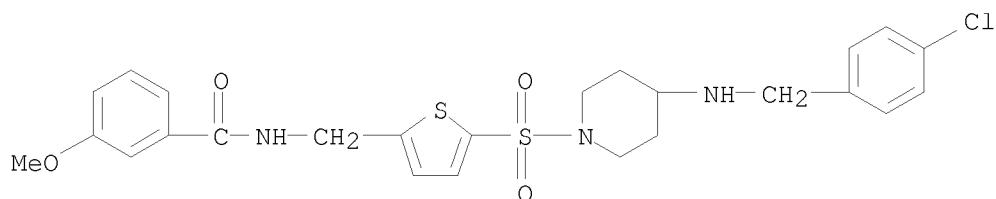
RN 848559-79-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[2,4,6-trimethylphenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-80-8 CAPLUS

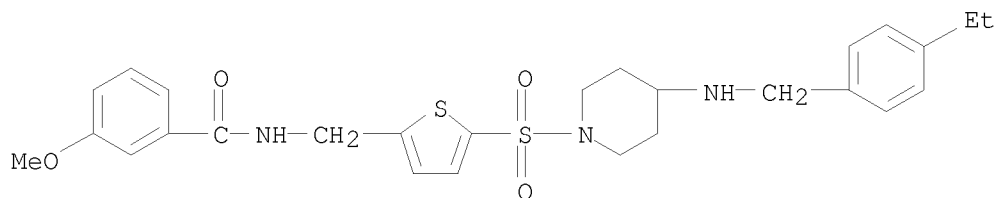
CN Benzamide, N-[[5-[[4-[[[4-chlorophenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848559-81-9 CAPLUS

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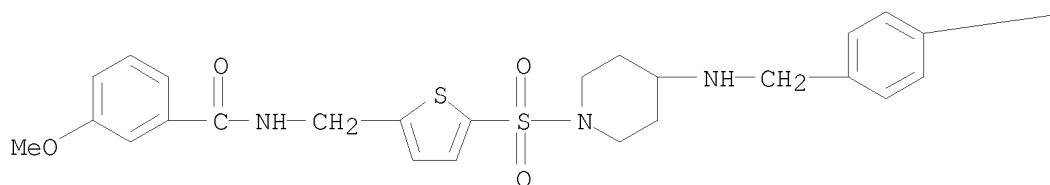
10/070,954



RN 848559-82-0 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-(4-pentylphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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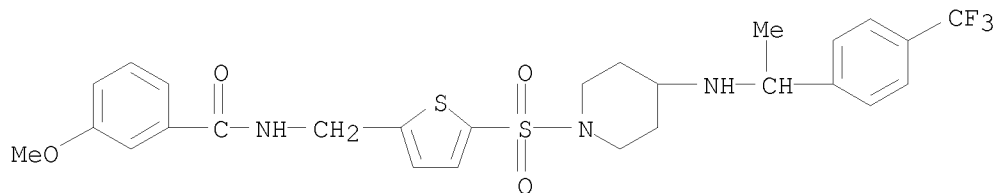


PAGE 1-B

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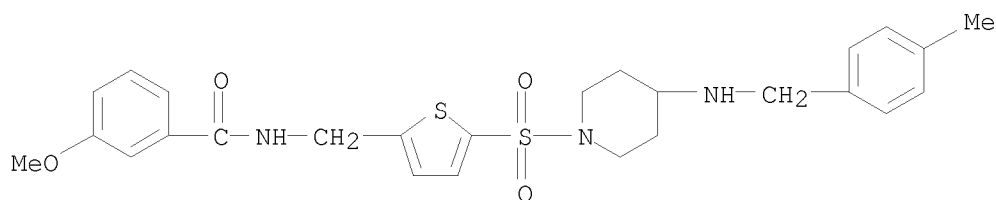
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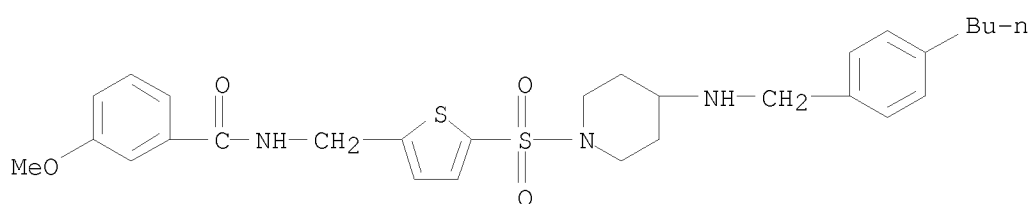
RN 848559-84-2 CAPLUS

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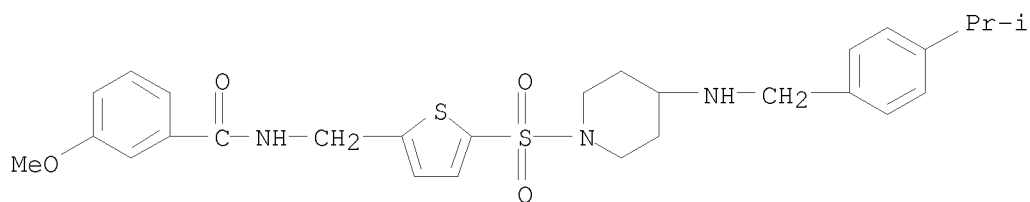
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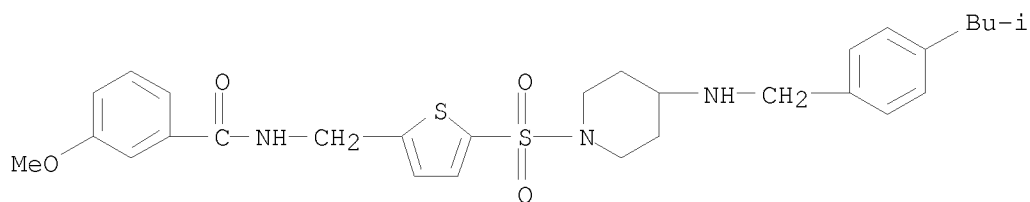
RN 848559-86-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-(1-methylethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-87-5 CAPLUS

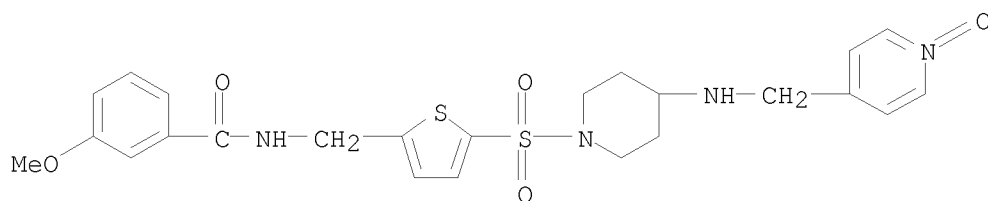
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RN 848559-88-6 CAPLUS

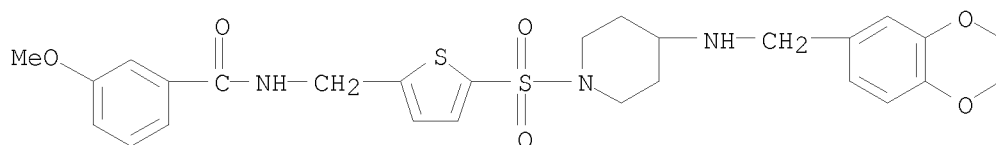
CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-(1-oxido-4-pyridinyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



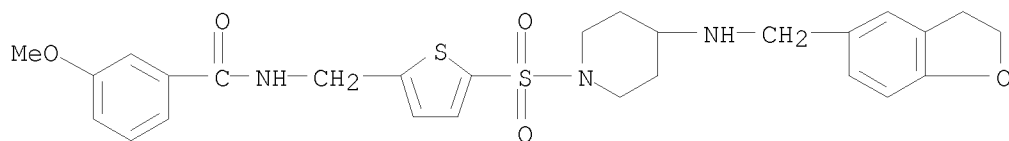
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CN Benzamide, N-[[5-[[4-[[[(2,3-dihydro-1,4-benzodioxin-6-yl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



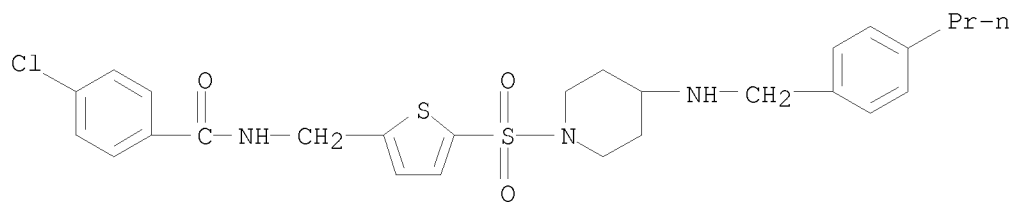
RN 848559-90-0 CAPLUS

CN Benzamide, N-[[5-[[4-[[[(2,3-dihydro-5-benzofuranyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 848559-91-1 CAPLUS

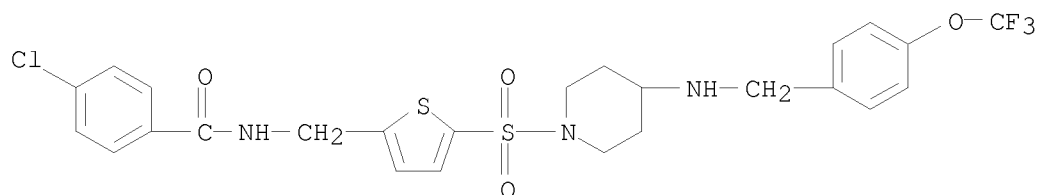
CN Benzamide, 4-chloro-N-[[5-[[4-[[[(4-propylphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-92-2 CAPLUS

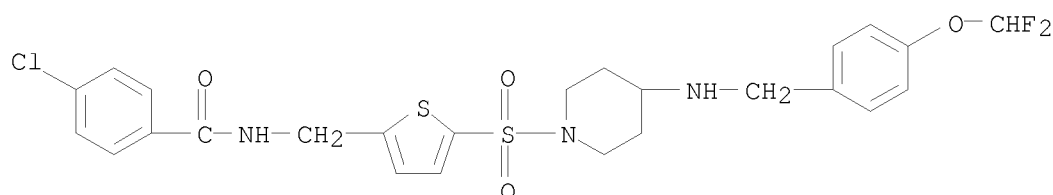
CN Benzamide, 4-chloro-N-[[5-[[4-[[[4-(trifluoromethoxy)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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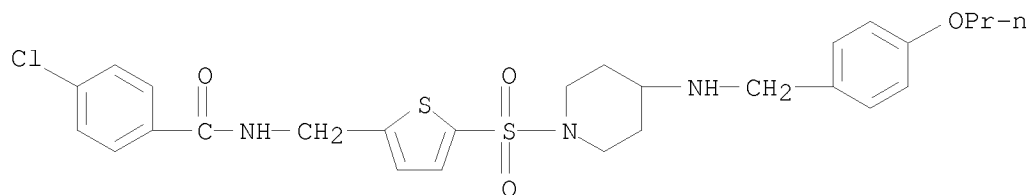
RN 848559-93-3 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(difluoromethoxy)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



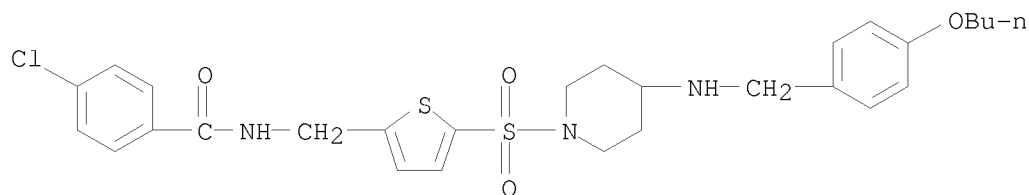
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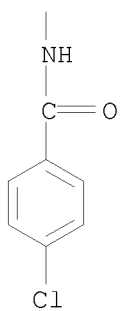
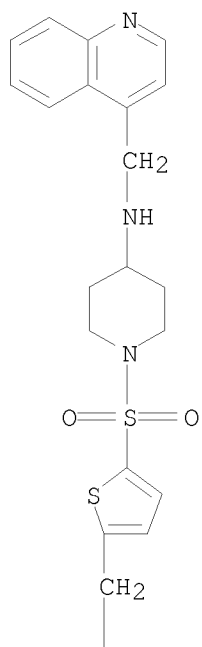
RN 848559-95-5 CAPLUS

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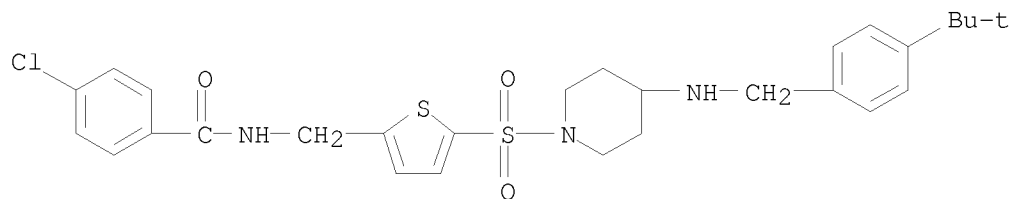
RN 848559-96-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[4-(quinolinyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848559-97-7 CAPLUS

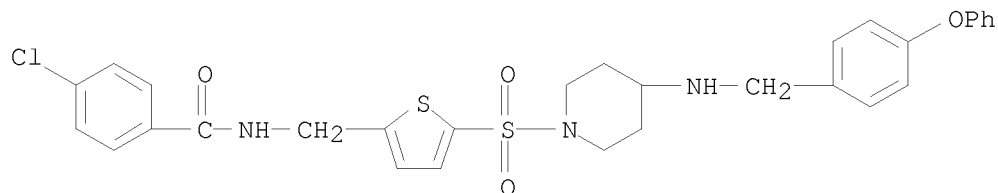
CN Benzamide, 4-chloro-N-[[5-[[4-[[[4-(1,1-dimethylethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



10/070,954

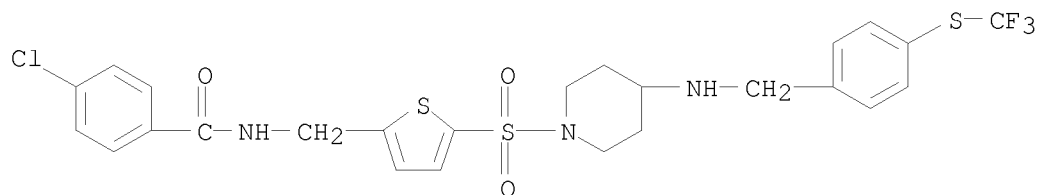
RN 848559-98-8 CAPLUS

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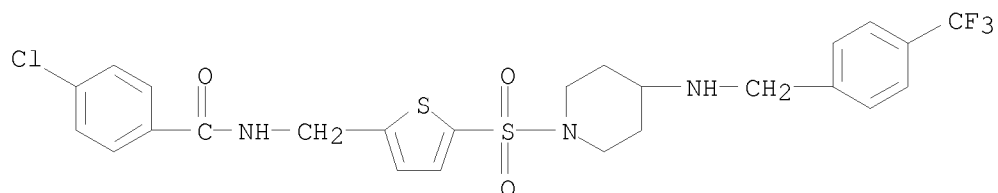
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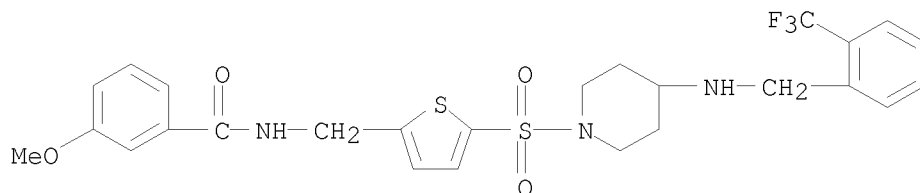
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RN 848560-01-0 CAPLUS

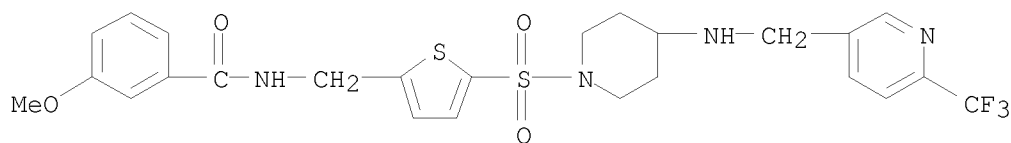
CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



10/070,954

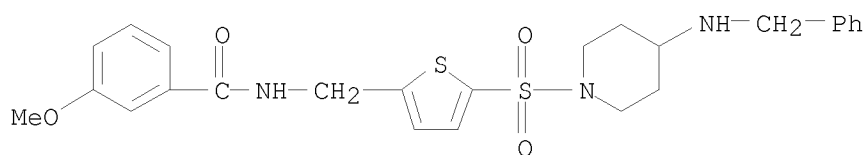
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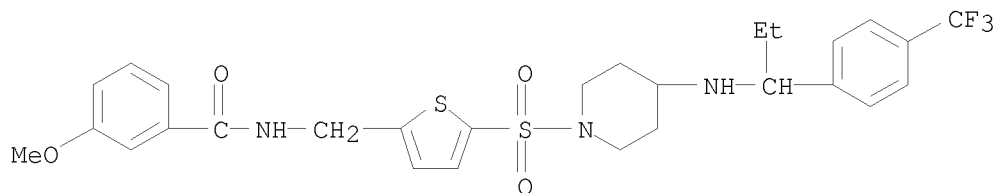
RN 848560-03-2 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(phenylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



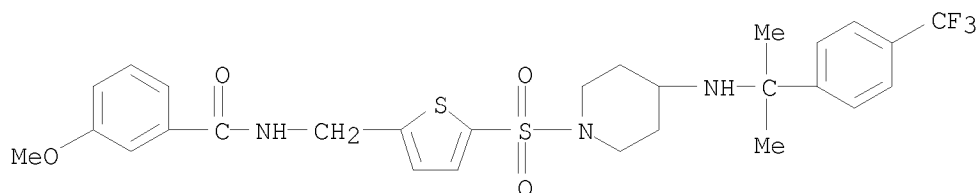
RN 848560-04-3 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[1-[4-(trifluoromethyl)phenyl]propyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848560-05-4 CAPLUS

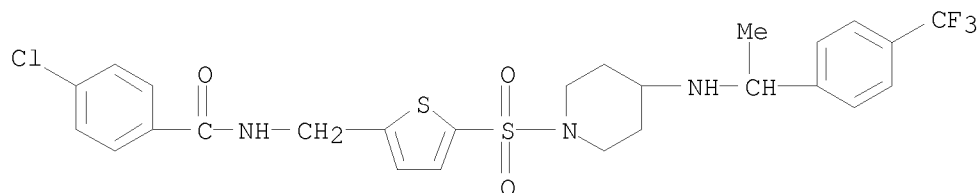
CN Benzamide, 3-methoxy-N-[[5-[[4-[[1-methyl-1-[4-(trifluoromethyl)phenyl]ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848560-06-5 CAPLUS

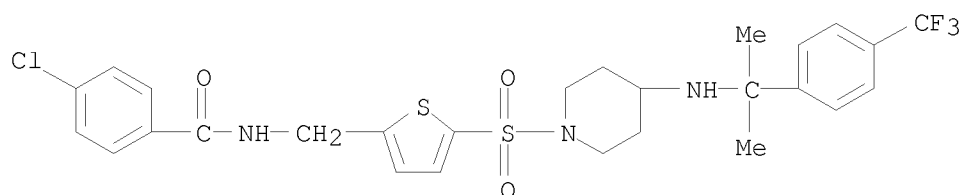
CN Benzamide, 4-chloro-N-[[5-[[4-[[1-[4-(trifluoromethyl)phenyl]ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

1-piperidinyl)sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



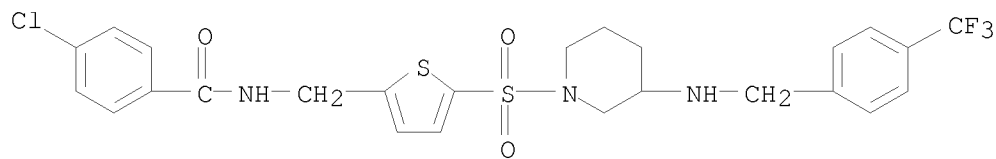
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CN Benzamide, 4-chloro-N-[[5-[[4-[[1-methyl-1-[4-(trifluoromethyl)phenyl]ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



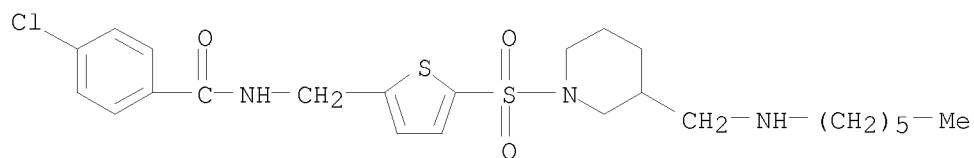
RN 848560-10-1 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[3-[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848560-11-2 CAPLUS

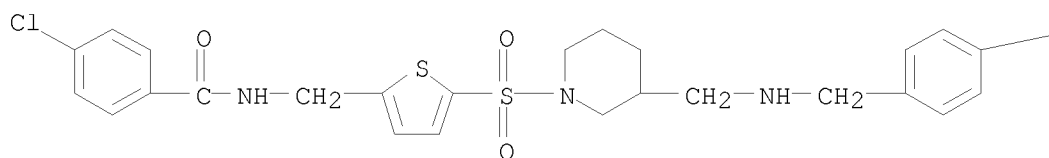
CN Benzamide, 4-chloro-N-[[5-[[3-[(hexylamino)methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848560-14-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[3-[[[4-(trifluoromethyl)phenyl]methyl]amino]methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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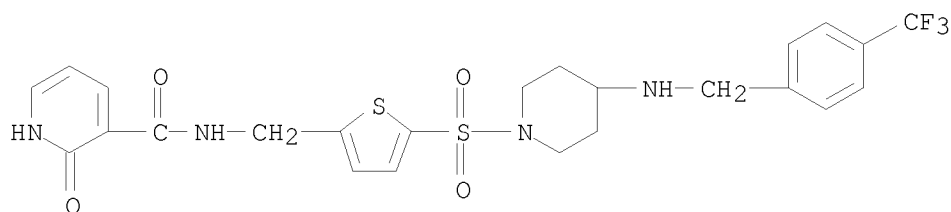


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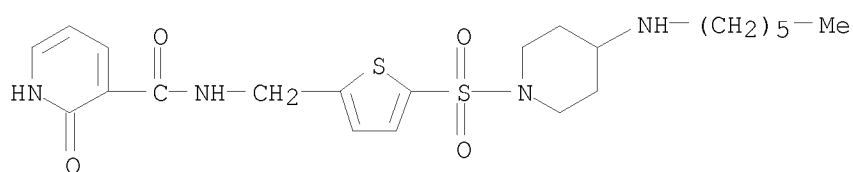
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CN 3-Pyridinecarboxamide, 1,2-dihydro-2-oxo-N-[[5-[[4-[[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



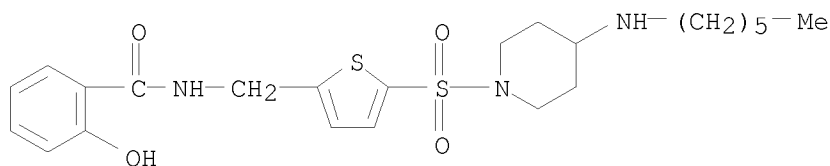
RN 848560-16-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1,2-dihydro-2-oxo- (CA INDEX NAME)



RN 848560-17-8 CAPLUS

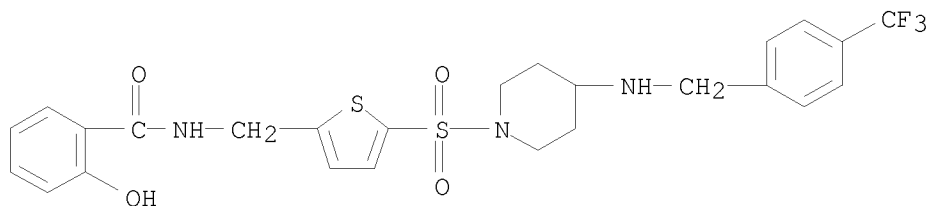
CN Benzamide, N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-2-hydroxy- (CA INDEX NAME)



10/070,954

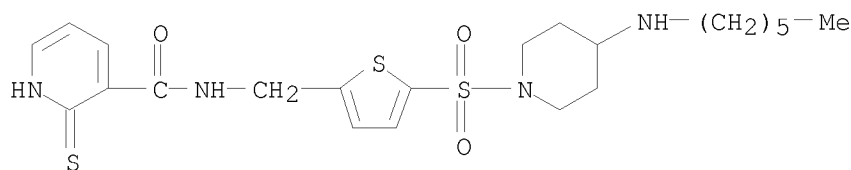
RN 848560-18-9 CAPLUS

CN Benzamide, 2-hydroxy-N-[[5-[[4-[[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



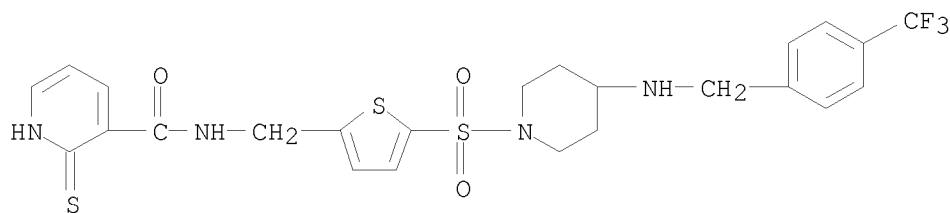
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CN 3-Pyridinecarboxamide, N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1,2-dihydro-2-thioxo- (CA INDEX NAME)



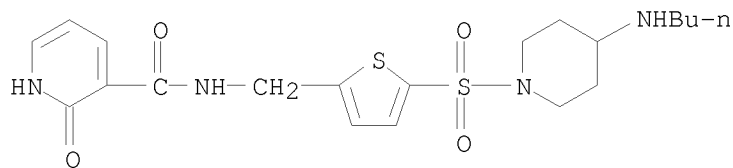
RN 848560-20-3 CAPLUS

CN 3-Pyridinecarboxamide, 1,2-dihydro-2-thioxo-N-[[5-[[4-[[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 848560-21-4 CAPLUS

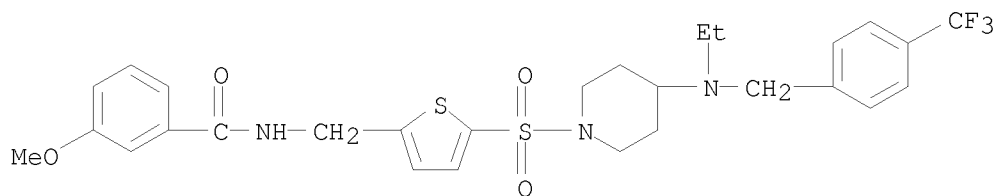
CN 3-Pyridinecarboxamide, N-[[5-[[4-(butylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-1,2-dihydro-2-oxo- (CA INDEX NAME)



RN 848560-22-5 CAPLUS

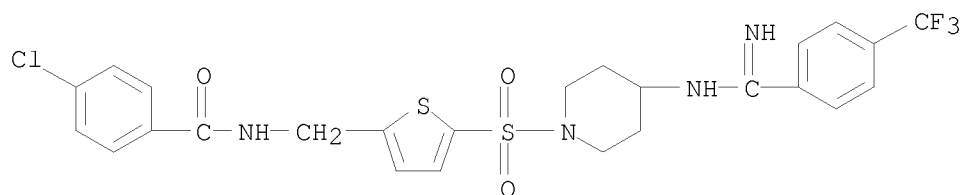
10/070,954

CN Benzamide, N-[[5-[[4-[ethyl[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



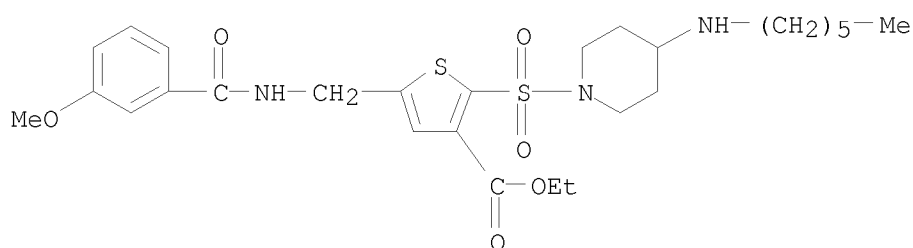
RN 848560-23-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[imino[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



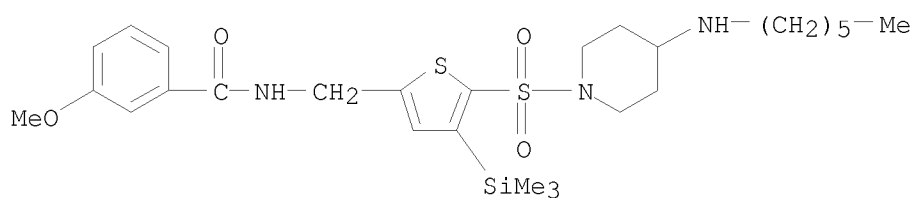
RN 848560-25-8 CAPLUS

CN 3-Thiophenecarboxylic acid, 2-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-5-[[3-methoxybenzoyl]amino]methyl]-, ethyl ester (CA INDEX NAME)



RN 848560-26-9 CAPLUS

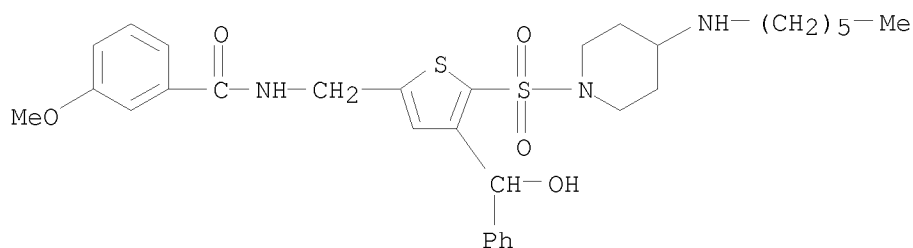
CN Benzamide, N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-4-(trimethylsilyl)-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



10/070,954

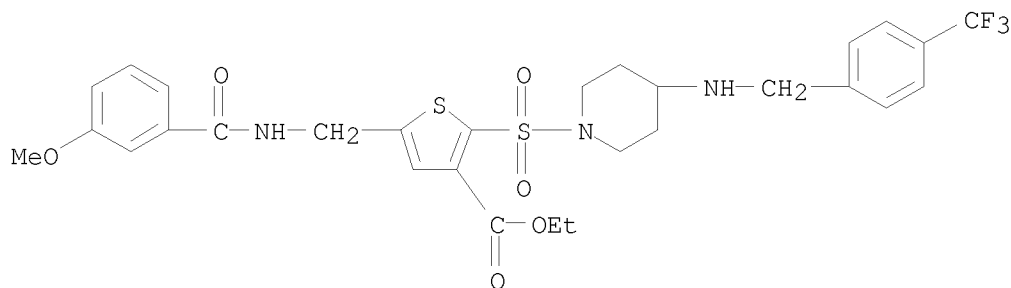
RN 848560-27-0 CAPLUS

CN Benzamide, N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-4-(hydroxyphenylmethyl)-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



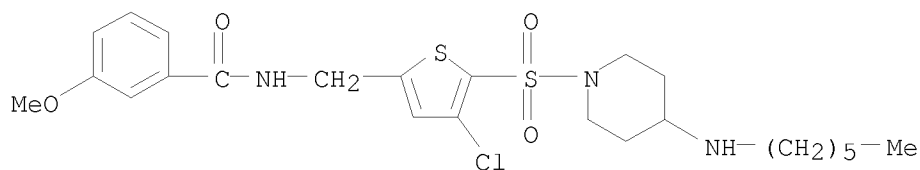
RN 848560-28-1 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[[4-[[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-, ethyl ester (CA INDEX NAME)



RN 848560-29-2 CAPLUS

CN Benzamide, N-[[4-chloro-5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:718536 CAPLUS

DOCUMENT NUMBER: 141:243546

TITLE: Preparation of N-heterocyclyl-substituted
amino-thiazole derivatives as protein kinase
inhibitorsINVENTOR(S): Alegria, Larry Andrew; Chong, Wesley Kwan Mung; Chu,
Shaosong; Duvadie, Rohit Kumar; Li, Lin; Romines,
William Henry, III; Yang, Yi

PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: PCT Int. Appl., 307 pp.

CODEN: PIXXD2

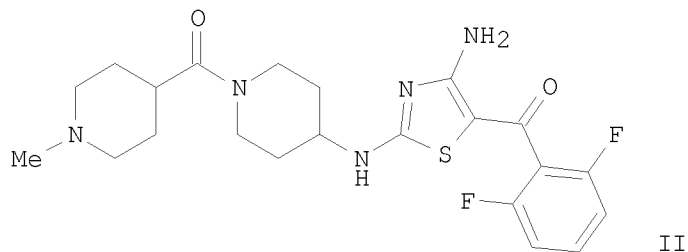
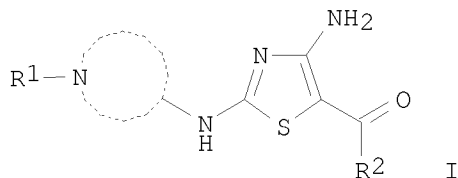
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|-------------------|-----------------|------------|
| WO 2004074283 | A1 | 20040902 | WO 2004-IB433 | 20040209 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2516234 | A1 | 20040902 | CA 2004-2516234 | 20040209 |
| EP 1597256 | A1 | 20051123 | EP 2004-709302 | 20040209 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| BR 2004007618 | A | 20060221 | BR 2004-7618 | 20040209 |
| JP 2006518368 | T | 20060810 | JP 2006-502453 | 20040209 |
| US 20050101595 | A1 | 20050512 | US 2004-783887 | 20040220 |
| MX 2005008878 | A | 20051005 | MX 2005-8878 | 20050819 |
| PRIORITY APPLN. INFO.: | | | US 2003-448843P | P 20030221 |
| | | | WO 2004-IB433 | W 20040209 |
| OTHER SOURCE(S): | | MARPAT 141:243546 | | |
| GI | | | | |



AB The title aminothiazole compds. with N-containing cycloalkyl at the 2-amino position [I; N-containing heterocyclyl = (un)substituted N-containing 3-10 membered heterocyclyl; R1 = H, alkyl, alkenyl, alkoxy, etc.; R2 = (un)substituted alkyl, cycloalkyl, alkoxy, aryl, 4-10 membered heterocyclyl] and their pharmaceutically acceptable prodrugs or salts which modulate and/or inhibit the cell proliferation and activity of protein kinases, were prepared Thus, reacting [4-amino-2-(piperidin-4-ylamino)thiazol-5-yl](2,6-difluorophenyl)methanone (preparation given) with 1-methylpiperidine-4-carboxylic acid afforded 65% II which showed K_i of 0.46 μM against CDK2, K_i of 0.13 μM against CDK4, and IC_{50} of >5 μM in HCT-116 assay for cell growth inhibition. Biol. data were given for over 1100 compds. I. The pharmaceutical compns. comprising the compound I are claimed.

IT 750577-40-3P

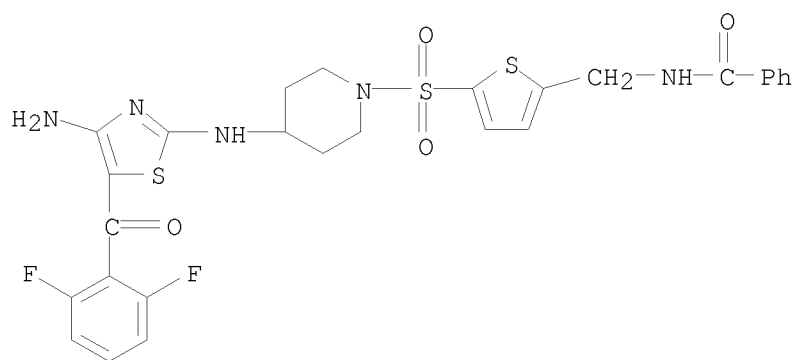
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-heterocyclyl-substituted amino-thiazole derivs. as protein kinase inhibitors)

RN 750577-40-3 CAPLUS

CN Benzamide, N-[[5-[[4-[[4-amino-5-(2,6-difluorobenzoyl)-2-thiazolyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



| | | |
|----------------------|---|--|
| OS.CITING REF COUNT: | 5 | THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS) |
| REFERENCE COUNT: | 3 | THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT |

L18 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:696365 CAPLUS

DOCUMENT NUMBER: 141:225301

TITLE: Preparation of 3-(benzoylureido)thiophenes as glycogen phosphorylase inhibitors.

INVENTOR(S): Schoenafinger, Karl; Defossa, Elisabeth; Von Roedern, Erich; Kadereit, Dieter; Herling, Andreas; Burger, Hans-joerg; Klabunde, Thomas; Wendt, Karl-ulrich

PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

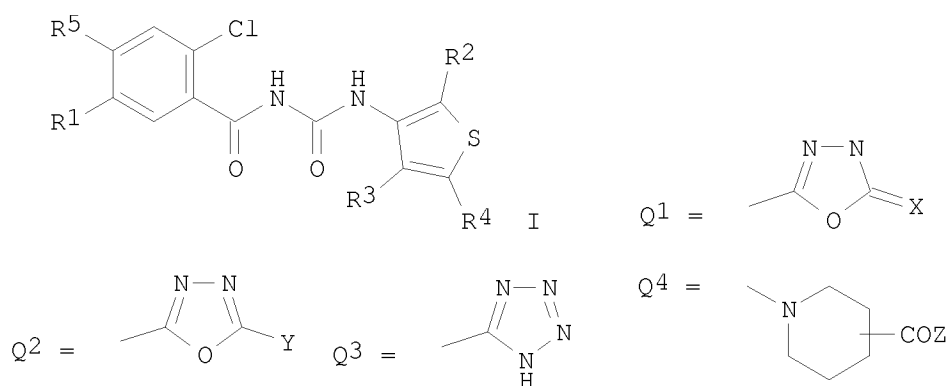
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2004072060 | A1 | 20040826 | WO 2004-EP993 | 20040204 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SI, TD, TG | | | | |
| DE 10306502 | A1 | 20040909 | DE 2003-10306502 | 20030217 |
| DE 10306502 | B4 | 20050317 | | |
| AU 2004212054 | A1 | 20040826 | AU 2004-212054 | 20040204 |
| CA 2516269 | A1 | 20040826 | CA 2004-2516269 | 20040204 |
| EP 1597247 | A1 | 20051123 | EP 2004-707896 | 20040204 |
| EP 1597247 | B1 | 20080723 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| BR 2004007552 | A | 20060214 | BR 2004-7552 | 20040204 |
| CN 1751036 | A | 20060322 | CN 2004-80004400 | 20040204 |
| JP 2006517933 | T | 20060803 | JP 2006-501724 | 20040204 |
| AT 402160 | T | 20080815 | AT 2004-707896 | 20040204 |
| US 20040198742 | A1 | 20041007 | US 2004-780344 | 20040217 |
| US 7196114 | B2 | 20070327 | | |
| ZA 2005005487 | A | 20060830 | ZA 2005-5487 | 20050707 |
| MX 2005008331 | A | 20050930 | MX 2005-8331 | 20050805 |
| IN 2005CN01906 | A | 20070302 | IN 2005-CN1906 | 20050811 |
| NO 2005004168 | A | 20051111 | NO 2005-4168 | 20050907 |
| PRIORITY APPLN. INFO.: | | | DE 2003-10306502 | A 20030217 |
| | | | US 2003-487502P | P 20030715 |
| | | | WO 2004-EP993 | A 20040204 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 141:225301

GI



AB Title compds. [I; R¹ = H, F, Cl, Br; R² = R¹, alkyl, CF₃, OCF₃, NO₂, cyano, alkoxy, alkylcarbonyl, CO₂H, CONH₂, alkylsulfonyl A, etc.; R³ = H, alkyl, alkylsulfonyl, (substituted) alkylphenyl, Ph, phenylsulfonyl, etc.; R⁴ = H, alkyl, alkoxycarbonyl alkylsulfonyl, (substituted) alkylphenyl, piperidinylsulfonyl, piperazinylsulfonyl; R⁵ = F, Cl, Br; A = Q¹-Q⁴; X = O, NH; Y = OH, NH₂; Z = OH, alkoxy, NH₂, alkylamino, dialkylamino], were prepared. Thus, 5-(3-aminothiophen-2-yl)-3H-[1,3,4]-oxadiazol-2-one hydrochloride (preparation given) and 2-chloro-4,5-difluorobenzoyl isocyanate were stirred 3 h in MeCN to give 1-(2-chloro-4,5-difluorobenzoyl)-3-[2-(5-oxo-4,5-dihydro-[1,3,4]-oxadiazol-2-yl)thiophen-3-yl]urea. This inhibited glycogen phosphorylase a with IC₅₀ = 0.03 μM.

IT 745835-24-9P 745835-33-0P

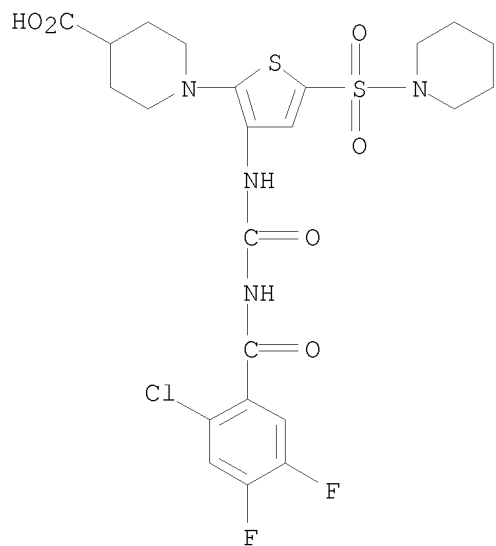
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 3-(benzoylureido)thiophenes as glycogen phosphorylase inhibitors)

RN 745835-24-9 CAPLUS

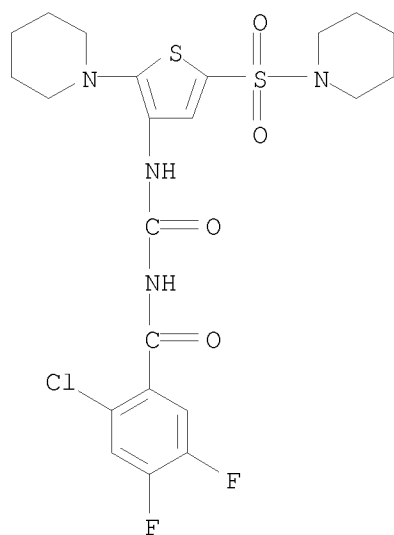
CN 4-Piperidinecarboxylic acid, 1-[3-[[[(2-chloro-4,5-difluorobenzoyl)amino]carbonyl]amino]-5-(1-piperidinylsulfonyl)-2-thienyl]- (CA INDEX NAME)

10/070,954



RN 745835-33-0 CAPLUS

CN Benzamide, 2-chloro-4,5-difluoro-N-[[[2-(1-piperidinyl)-5-(1-piperidinylsulfonyl)-3-thienyl]amino]carbonyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:182862 CAPLUS

DOCUMENT NUMBER: 140:217665

TITLE: Preparation of piperidinyolphthalazinone derivatives as PDE4 inhibitors

INVENTOR(S): Hatzelmann, Armin; Barsig, Johannes; Marx, Degenhard; Kley, Hans-Peter; Christiaans, Johannes A. M.; Menge, Wiro M. P. B.; Sterk, Geert Jan; Weinbrenner, Steffen

PATENT ASSIGNEE(S): Altana Pharma A.-G., Germany

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|-------------------|-----------------|------------|
| WO 2004018449 | A1 | 20040304 | WO 2003-EP8673 | 20030806 |
| W: AE, AL, AU, BA, BR, CA, CN, CO, DZ, EC, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, SG, TN, UA, US, VN, YU, ZA, ZW | | | | |
| RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR | | | | |
| AU 2003255376 | A1 | 20040311 | AU 2003-255376 | 20030806 |
| PRIORITY APPLN. INFO.: | | | EP 2002-17979 | A 20020810 |
| | | | WO 2003-EP8673 | W 20030806 |
| OTHER SOURCE(S): | | MARPAT 140:217665 | | |
| GI | | | | |

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compound I [R1, R2 = H or together form an addnl. bond; R3 = benzene derivative Q1 or Q2; R4 = (substituted)arylsulfonyl; R5 = alkoxy or polyfluoroalkoxy; R6, R7 = (cyclo)alkoxy, cycloalkylmethoxy, or polyfluoroalkoxy; R8 = alkyl; R9 = H or alkyl; or R7 and R8 together with the 2 intervening C atoms form a spiro-linked 5-, 6- or 7-membered hydrocarbon ring, optionally interrupted by O or S] were prepared as PDE4 inhibitors. Thus, reaction of (4aS,8aR)-4-(3,4-dimethoxyphenyl)-2-piperidin-4-yl-4a,5,8,8a-tetrahydro-2H-phthalazin-1-one hydrochloride (preparation given) with naphthalene-1-sulfonyl chloride gave compound II. The prepared compds. inhibited PDE4 with $-\log(\text{IC}_{50}) \geq 8.8$.

IT 666737-18-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

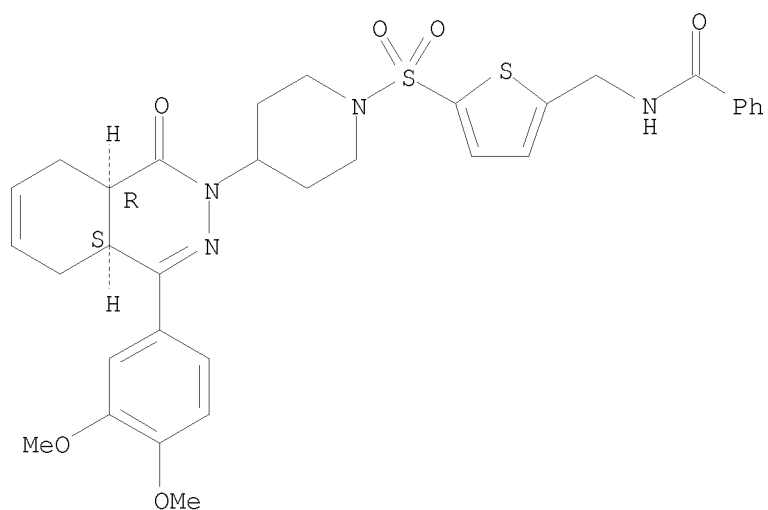
(preparation of piperidinyolphthalazinone derivs. as PDE4 inhibitors)

RN 666737-18-4 CAPLUS

CN Benzamide, N-[[[5-[[4-[(4aS,8aR)-4-(3,4-dimethoxyphenyl)-4a,5,8,8a-tetrahydro-1-oxo-2(1H)-phthalazinyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

10/070,954



| | | |
|----------------------|----|---|
| OS.CITING REF COUNT: | 4 | THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS) |
| REFERENCE COUNT: | 13 | THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT |

L18 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:253021 CAPLUS

DOCUMENT NUMBER: 136:279348

TITLE: Preparation of pharmaceutically active sulfonamides bearing both lipophilic and ionizable moieties as inhibitors of protein Jun kinases

INVENTOR(S): Halazy, Serge; Church, Dennis; Camps, Montserrat; Rueckle, Thomas; Gotteland, Jean Pierre; Biamonte, Marco; Arkinstall, Stephen

PATENT ASSIGNEE(S): Applied Research Systems ARS Holding N.V., Neth. Antilles

SOURCE: Eur. Pat. Appl., 44 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

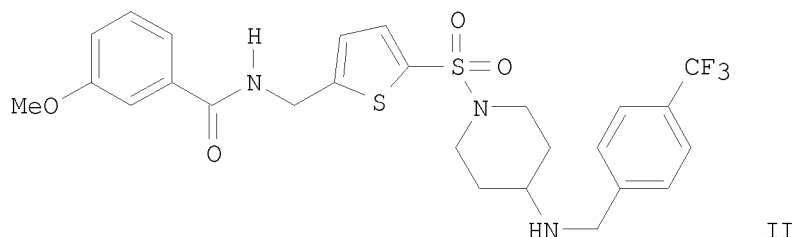
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| EP 1193268 | A1 | 20020403 | EP 2000-810887 | 20000927 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| CA 2421209 | A1 | 20020404 | CA 2001-2421209 | 20010927 |
| WO 2002026733 | A2 | 20020404 | WO 2001-IB1772 | 20010927 |
| WO 2002026733 | A3 | 20020801 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2001087991 | A | 20020408 | AU 2001-87991 | 20010927 |
| BR 2001014223 | A | 20030701 | BR 2001-14223 | 20010927 |
| EP 1322642 | A2 | 20030702 | EP 2001-967622 | 20010927 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| HU 2003002980 | A2 | 20031229 | HU 2003-2980 | 20010927 |
| HU 2003002980 | A3 | 20070928 | | |
| ZA 2003001746 | A | 20040303 | ZA 2003-1746 | 20010927 |
| JP 2004509957 | T | 20040402 | JP 2002-531117 | 20010927 |
| NZ 524542 | A | 20040924 | NZ 2001-524542 | 20010927 |
| CN 1568322 | A | 20050119 | CN 2001-819141 | 20010927 |
| CN 1288150 | C | 20061206 | | |
| EE 200300119 | A | 20050415 | EE 2003-119 | 20010927 |
| AU 2001287991 | B2 | 20061207 | AU 2001-287991 | 20010927 |
| IN 2003DN00301 | A | 20090327 | IN 2003-DN301 | 20030305 |
| BG 107633 | A | 20031128 | BG 2003-107633 | 20030313 |
| MX 2003002568 | A | 20031006 | MX 2003-2568 | 20030325 |
| NO 2003001375 | A | 20030326 | NO 2003-1375 | 20030326 |
| US 20040077854 | A1 | 20040422 | US 2003-381665 | 20031010 |
| US 7544700 | B2 | 20090609 | | |
| HK 1072768 | A1 | 20070323 | HK 2005-103676 | 20050429 |
| PRIORITY APPLN. INFO.: | | | EP 2000-810887 | A 20000927 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 136:279348

GI



AB The title compds. Ar1C(:X)NR1(CH2)nAr2SO2Y [I; Ar1, Ar2 = (un)substituted aryl, heteroaryl; X = O, S, preferably O; R1 = H, alkyl, or R1 forms (un)substituted 5-6 membered (un)saturated ring with Ar1; n = 0-5, preferably between 1-3 and most preferred 1; Y = (un)substituted 4-12 membered saturated cyclic or bicyclic alkyl which is substituted with at least one ionizable moiety to which a lipophilic chain is attached and which is containing at least one N atom, whereby one N atom within said ring is forming a bond with the sulfonyl group thus providing a sulfonamide] which are efficient modulators of the JNK pathway, in particular efficient and selective inhibitors of JNK 2 and 3, were prepared and formulated. E.g., a multi-step synthesis of II which showed IC50 of 0.04 μ M against JNK3, was given.

| | | | |
|----|--------------|--------------|--------------|
| IT | 406487-03-4P | 406677-95-0P | 406677-96-1P |
| | 406677-98-3P | 406677-99-4P | 406678-00-0P |
| | 406678-01-1P | 406678-02-2P | 406678-03-3P |
| | 406678-04-4P | 406678-05-5P | 406678-06-6P |
| | 406678-07-7P | 406678-08-8P | 406678-09-9P |
| | 406678-10-2P | 406678-11-3P | 406678-12-4P |
| | 406678-13-5P | 406678-14-6P | 406678-15-7P |
| | 406678-16-8P | 406678-17-9P | 406678-18-0P |
| | 406678-19-1P | 406678-20-4P | 406678-22-6P |
| | 406678-23-7P | 406678-24-8P | 406678-25-9P |
| | 406678-26-0P | 406678-27-1P | 406678-28-2P |
| | 406678-29-3P | 406678-30-6P | 406678-31-7P |
| | 406678-32-8P | 406678-33-9P | 406678-34-0P |
| | 406678-35-1P | 406678-36-2P | 406678-37-3P |
| | 406678-38-4P | 406678-39-5P | 406678-40-8P |
| | 406678-41-9P | 406678-42-0P | 406678-43-1P |
| | 406678-44-2P | 406678-45-3P | 406678-46-4P |
| | 406678-47-5P | 406678-48-6P | 406678-49-7P |
| | 406678-50-0P | 406678-51-1P | 406678-52-2P |
| | 406678-53-3P | 406678-55-5P | 406678-57-7P |
| | 406678-58-8P | 406678-59-9P | 406678-60-2P |
| | 406678-61-3P | 406678-62-4P | 406678-63-5P |
| | 406678-64-6P | 406678-92-0P | 406678-93-1P |
| | 406678-94-2P | 406678-95-3P | 406678-96-4P |
| | 406678-97-5P | 406678-98-6P | 406678-99-7P |
| | 406679-00-3P | 406679-01-4P | 406679-30-9P |
| | 406679-44-5P | | |

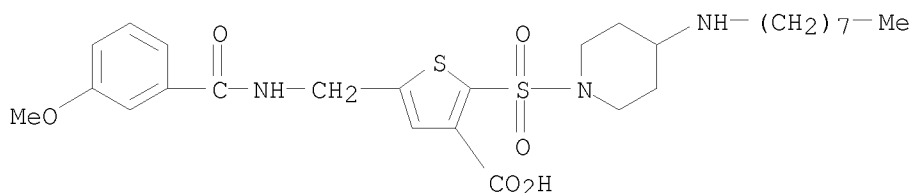
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)

(preparation of pharmaceutically active sulfonamides bearing both lipophilic and ionizable moieties as inhibitors of protein Jun kinases)

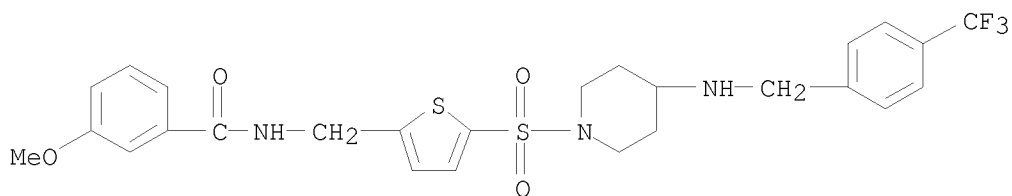
RN 406487-03-4 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[[4-(octylamino)-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



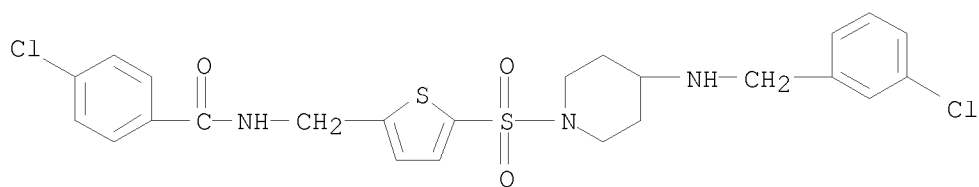
RN 406677-95-0 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406677-96-1 CAPLUS

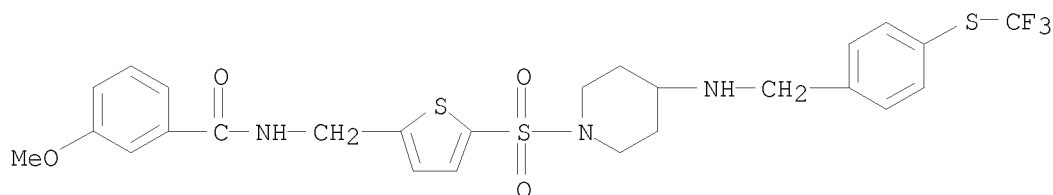
CN Benzamide, 4-chloro-N-[[5-[[4-[[[4-(3-chlorophenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406677-98-3 CAPLUS

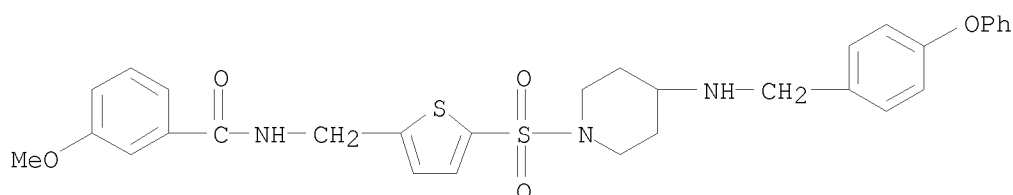
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-[(trifluoromethyl)thio]phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

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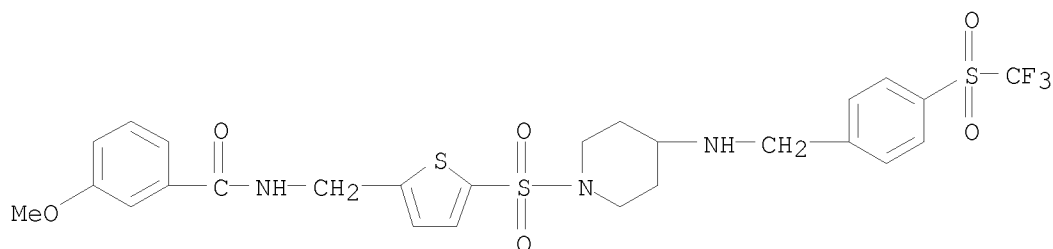
RN 406677-99-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-(4-phenoxyphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



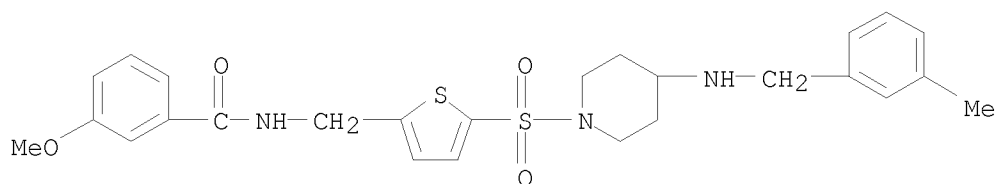
RN 406678-00-0 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-[(trifluoromethyl)sulfonyl]phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-01-1 CAPLUS

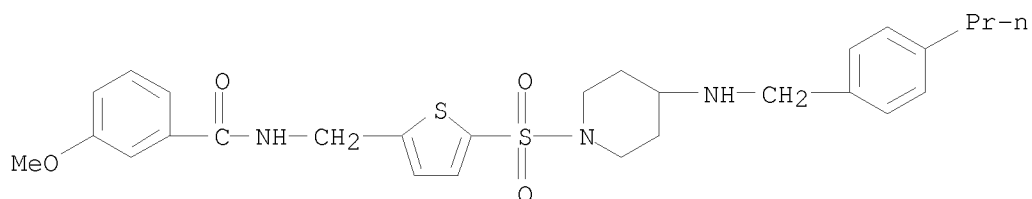
CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-(3-methylphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-02-2 CAPLUS

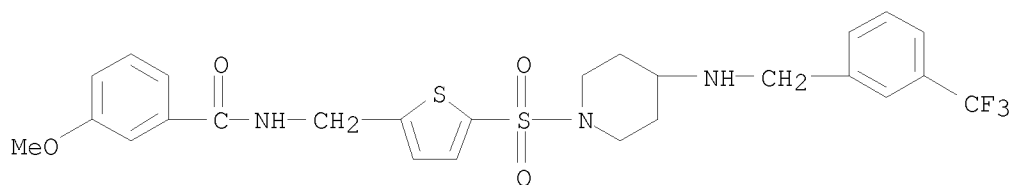
CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-(4-propylphenyl)methyl]amino]-1-

piperidinyl)sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



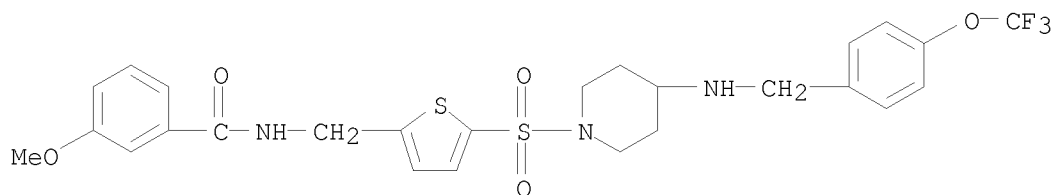
RN 406678-03-3 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



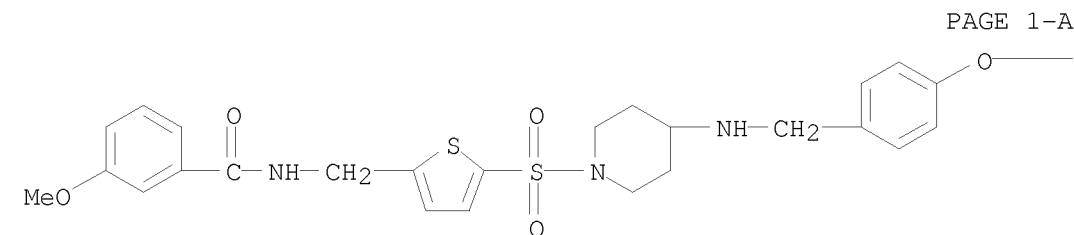
RN 406678-04-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[4-(trifluoromethoxy)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



RN 406678-05-5 CAPLUS

CN Benzamide, N-[[5-[[4-[[4-(difluoromethoxy)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]-3-methoxy- (CA INDEX NAME)

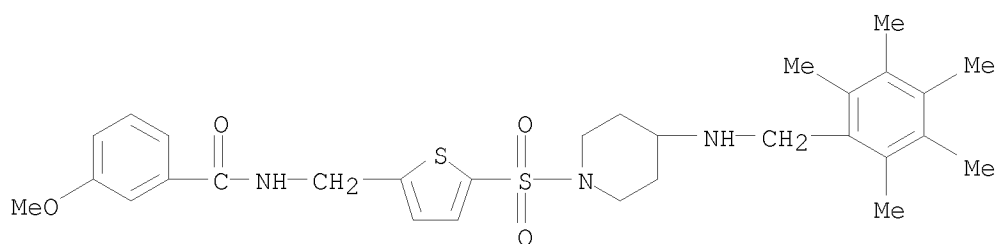


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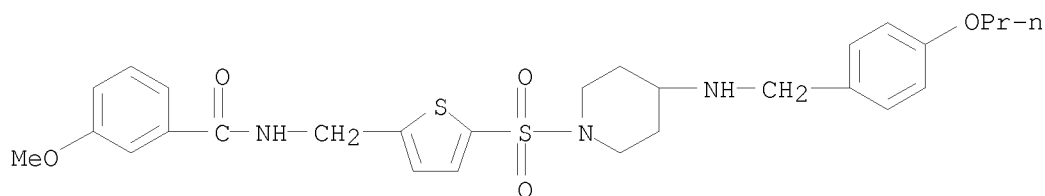
RN 406678-06-6 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(2,3,4,5,6-pentamethylphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]-
(CA INDEX NAME)



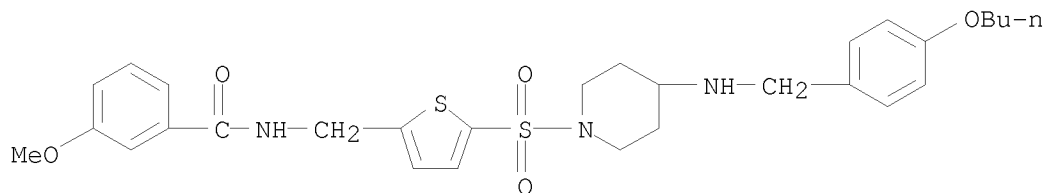
RN 406678-07-7 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(4-propoxyphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-08-8 CAPLUS

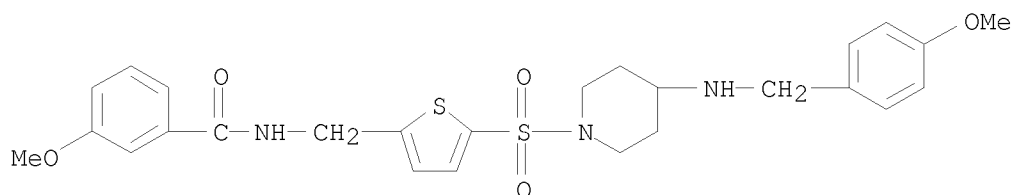
CN Benzamide, N-[[5-[[4-[[[(4-butoxyphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-09-9 CAPLUS

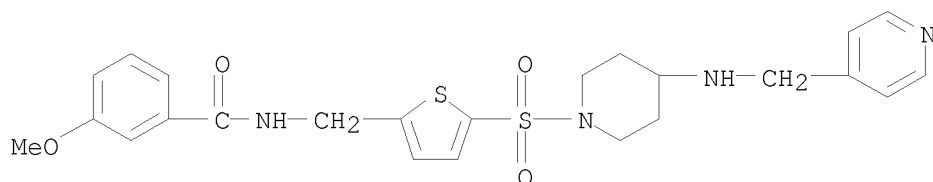
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(4-methoxyphenyl)methyl]amino]-1-piperidiny]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



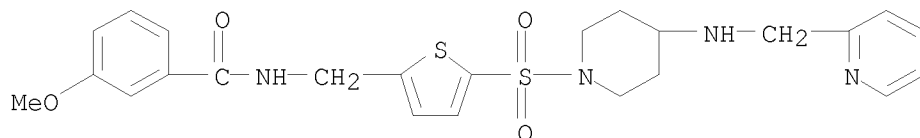
RN 406678-10-2 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(4-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



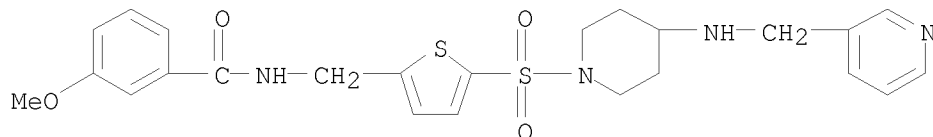
RN 406678-11-3 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(2-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



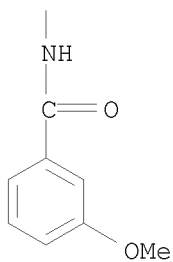
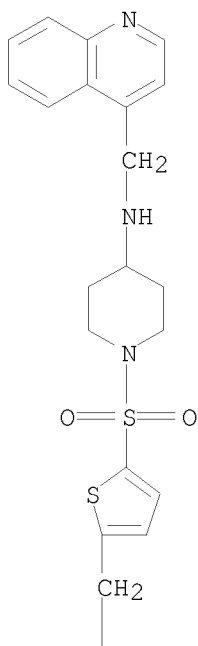
RN 406678-12-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(3-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

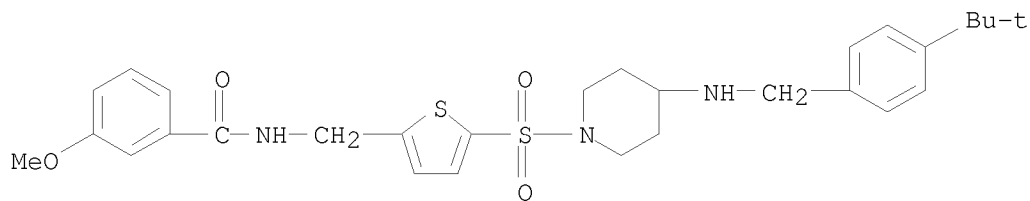


RN 406678-13-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(4-quinolinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



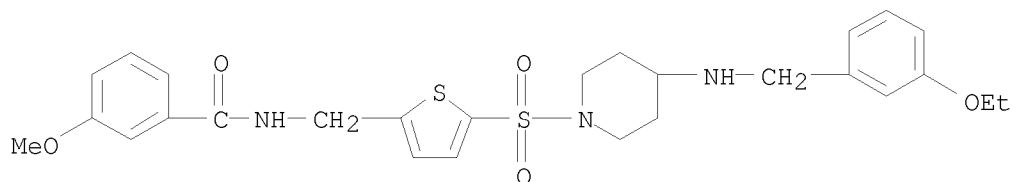
RN 406678-14-6 CAPLUS
 CN Benzamide, N-[[5-[[4-[[[4-(1,1-dimethylethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-15-7 CAPLUS

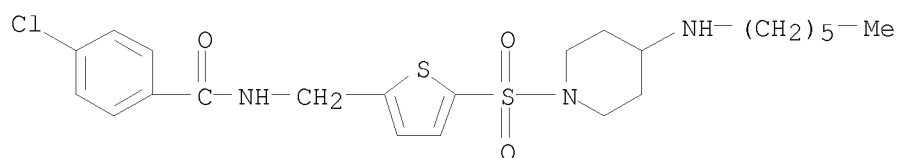
10/070,954

CN Benzamide, N-[[5-[[4-[[3-ethoxyphenyl)methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



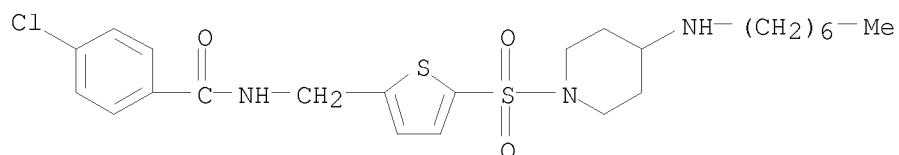
RN 406678-16-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



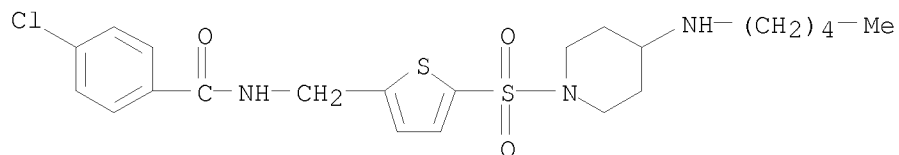
RN 406678-17-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(heptylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-18-0 CAPLUS

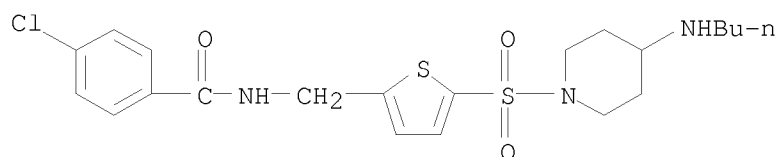
CN Benzamide, 4-chloro-N-[[5-[[4-(pentylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-19-1 CAPLUS

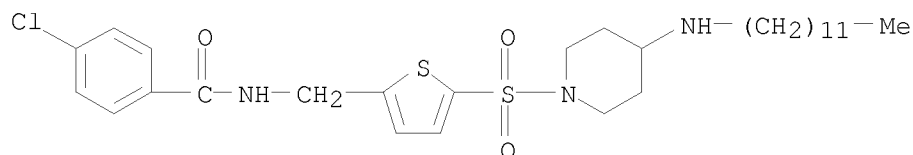
CN Benzamide, N-[[5-[[4-(butylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

10/070,954



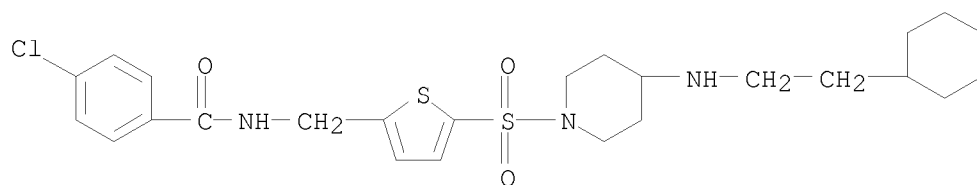
RN 406678-20-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(dodecylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



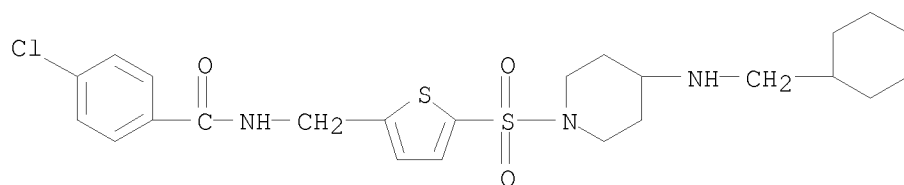
RN 406678-22-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(2-cyclohexylethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-23-7 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(cyclohexylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

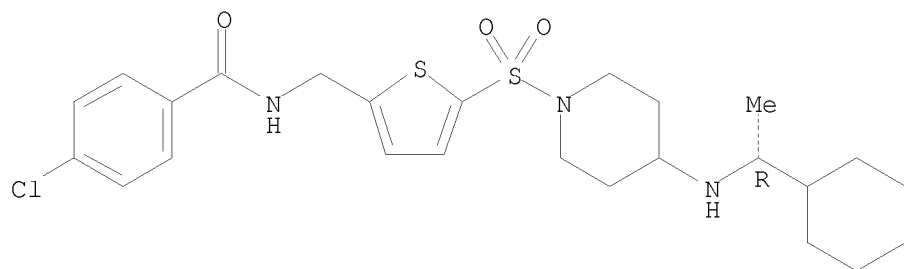


RN 406678-24-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(1R)-1-cyclohexylethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

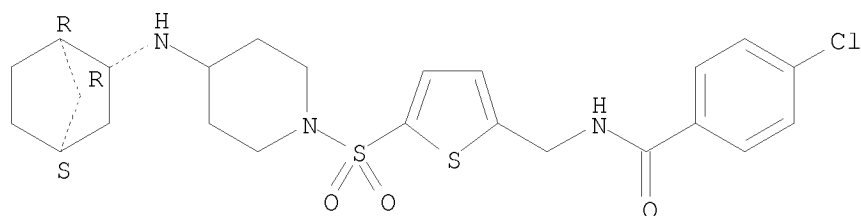
10/070,954



RN 406678-25-9 CAPLUS

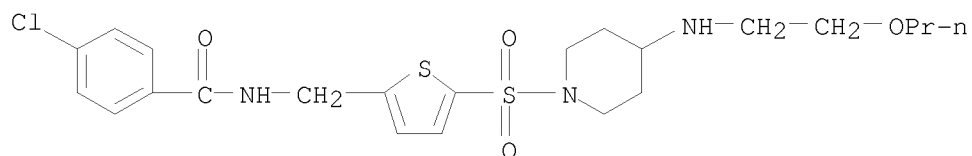
CN Benzamide, N-[[5-[[4-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-ylamino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)

Absolute stereochemistry.



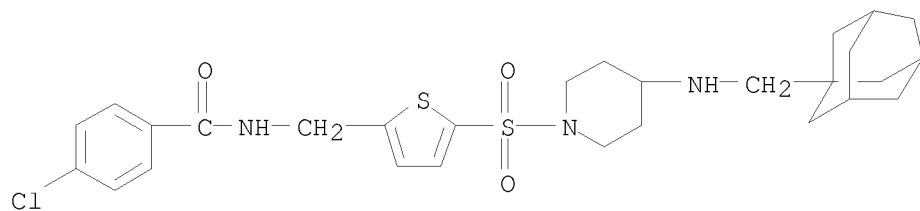
RN 406678-26-0 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(2-propoxyethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



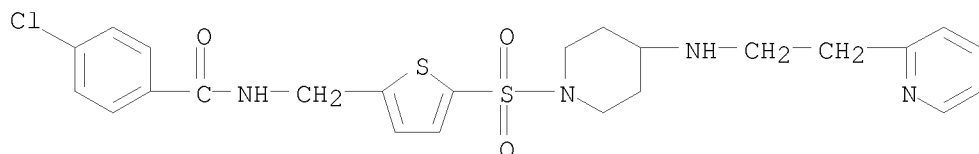
RN 406678-27-1 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(tricyclo[3.3.1.1^{3,7}]dec-1-ylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



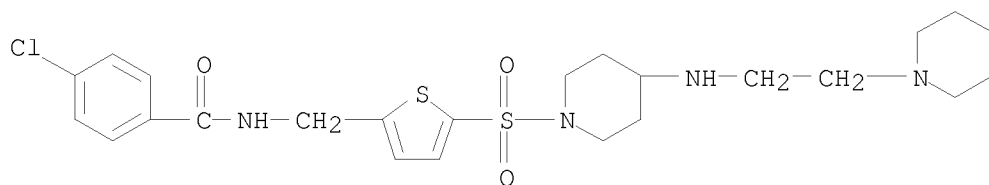
RN 406678-28-2 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(2-pyridinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



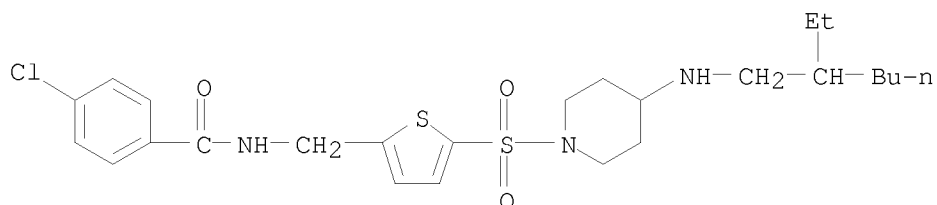
RN 406678-29-3 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(1-piperidinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



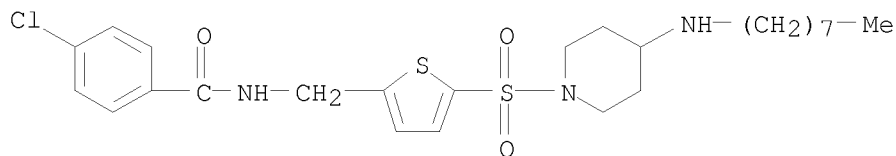
RN 406678-30-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(ethylhexyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-31-7 CAPLUS

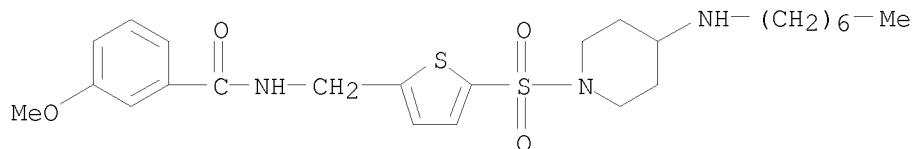
CN Benzamide, 4-chloro-N-[[5-[[4-(octylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-32-8 CAPLUS

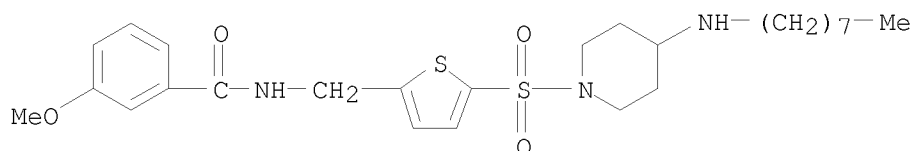
CN Benzamide, N-[[5-[[4-(heptylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



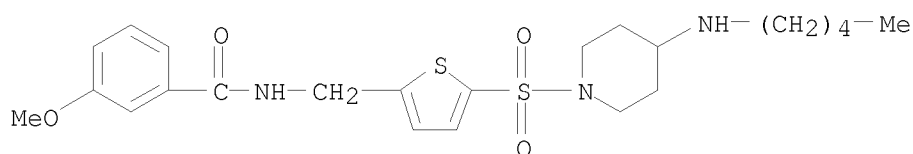
RN 406678-33-9 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-(octylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



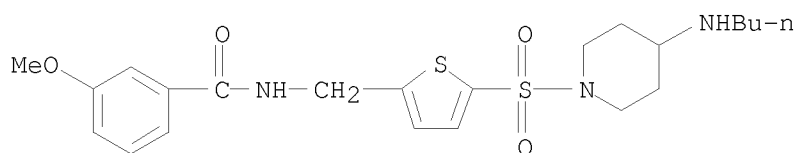
RN 406678-34-0 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-(pentylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



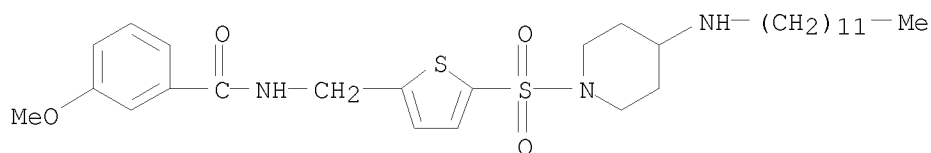
RN 406678-35-1 CAPLUS

CN Benzamide, N-[[5-[[4-(butylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-36-2 CAPLUS

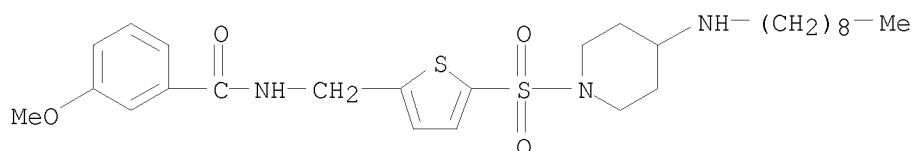
CN Benzamide, N-[[5-[[4-(dodecylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-37-3 CAPLUS

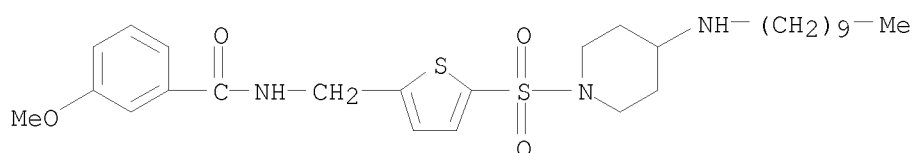
10/070,954

CN Benzamide, 3-methoxy-N-[[5-[[4-(nonylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



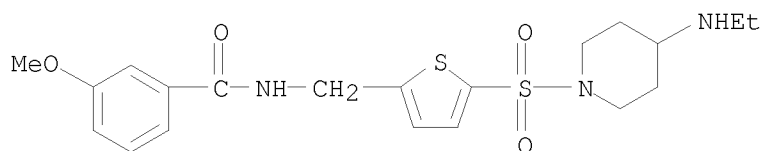
RN 406678-38-4 CAPLUS

CN Benzamide, N-[[5-[[4-(decylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



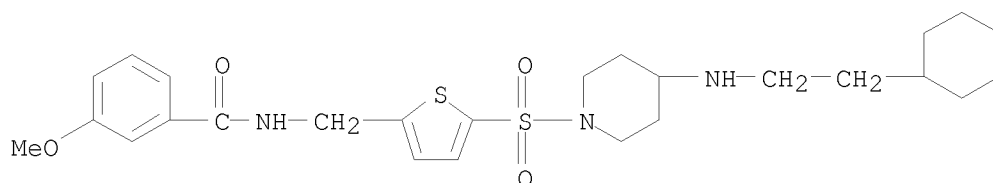
RN 406678-39-5 CAPLUS

CN Benzamide, N-[[5-[[4-(ethylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-40-8 CAPLUS

CN Benzamide, N-[[5-[[4-[(2-cyclohexylethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

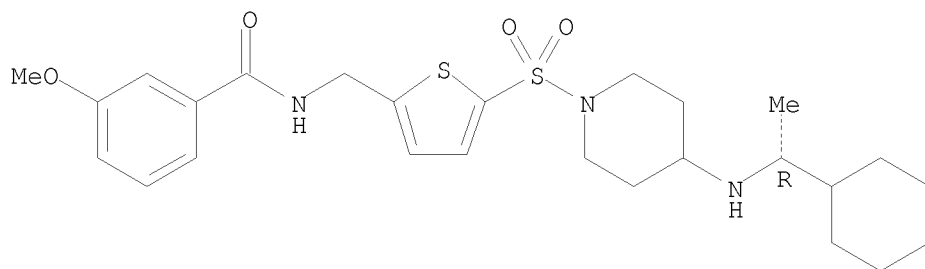


RN 406678-41-9 CAPLUS

CN Benzamide, N-[[5-[[4-[(1R)-1-cyclohexylethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

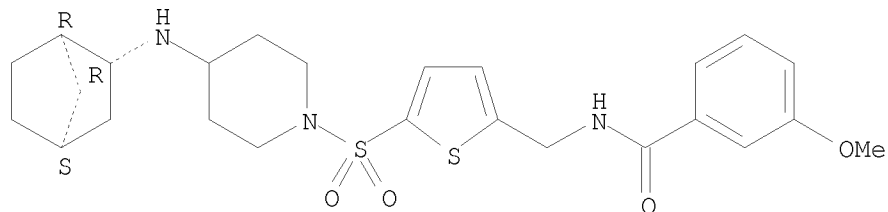
Absolute stereochemistry.

10/070,954

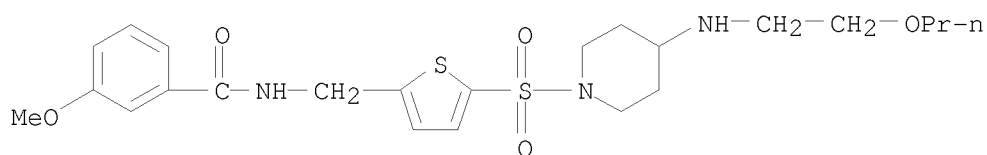


RN 406678-42-0 CAPLUS
CN Benzamide, N-[[5-[[4-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-ylamino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

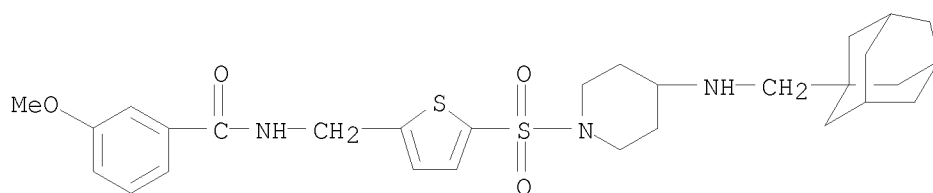
Absolute stereochemistry.



RN 406678-43-1 CAPLUS
CN Benzamide, 3-methoxy-N-[[5-[[4-[(2-propoxyethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

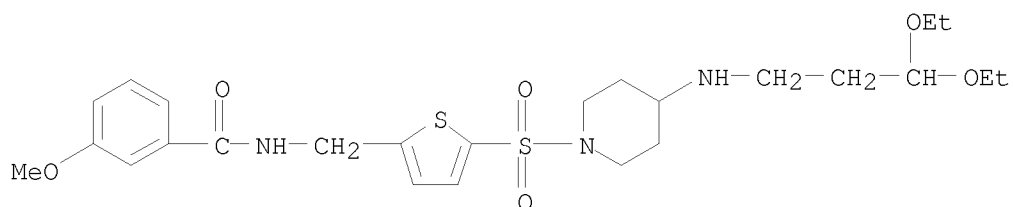


RN 406678-44-2 CAPLUS
CN Benzamide, 3-methoxy-N-[[5-[[4-[(tricyclo[3.3.1.1.3,7]dec-1-ylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



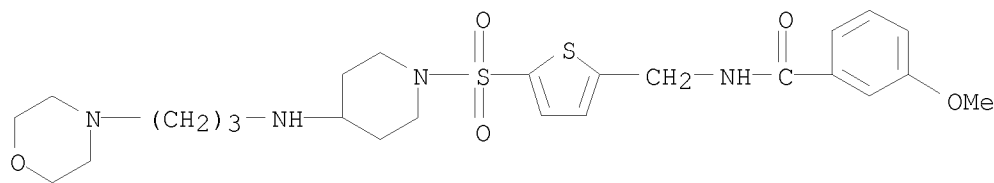
RN 406678-45-3 CAPLUS
CN Benzamide, N-[[5-[[4-[(3,3-diethoxypropyl)amino]-1-piperidinyl]sulfonyl]-2-

thienyl)methyl]-3-methoxy- (CA INDEX NAME)



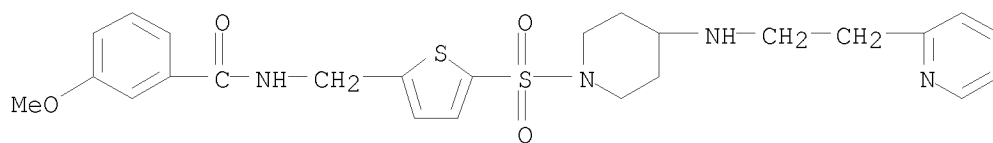
RN 406678-46-4 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[3-(4-morpholinyl)propyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



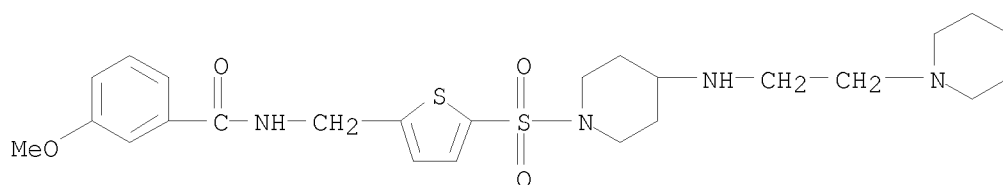
RN 406678-47-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(2-pyridinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



RN 406678-48-6 CAPLUS

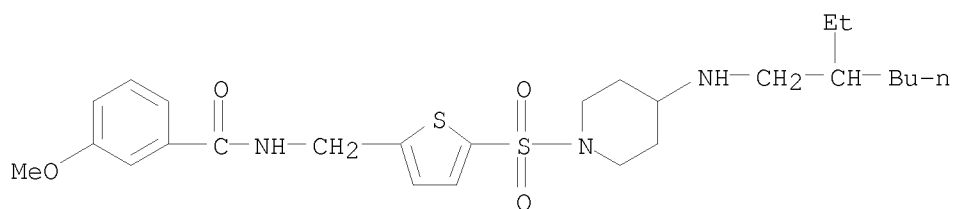
CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(1-piperidinyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



RN 406678-49-7 CAPLUS

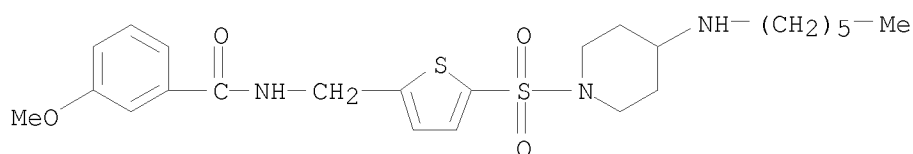
CN Benzamide, N-[[5-[[4-[(2-ethylhexyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl)methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



RN 406678-50-0 CAPLUS

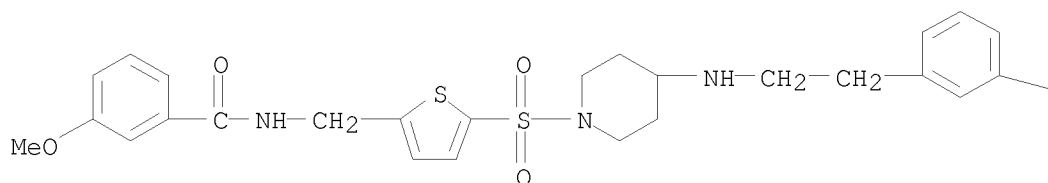
CN Benzamide, N-[[5-[[4-(hexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-51-1 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-[3-(trifluoromethyl)phenyl]ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

PAGE 1-A



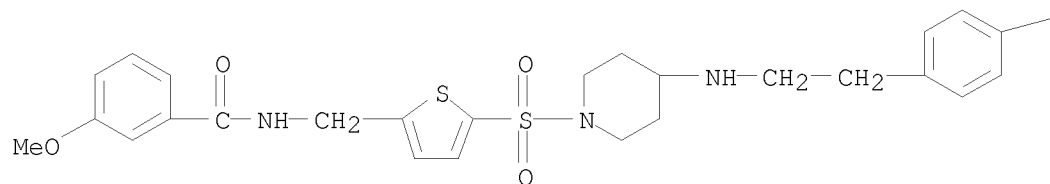
PAGE 1-B



RN 406678-52-2 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[2-(4-methylphenyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

PAGE 1-A



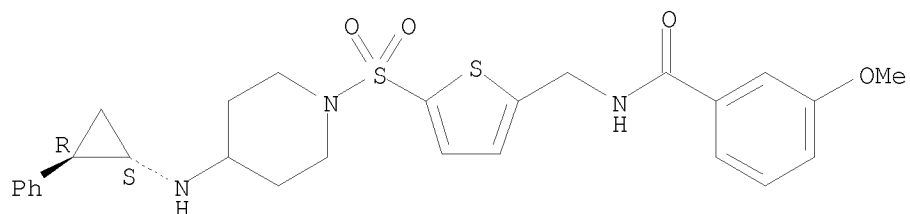
PAGE 1-B

Me

RN 406678-53-3 CAPLUS

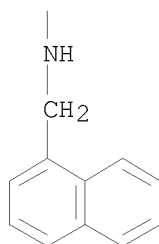
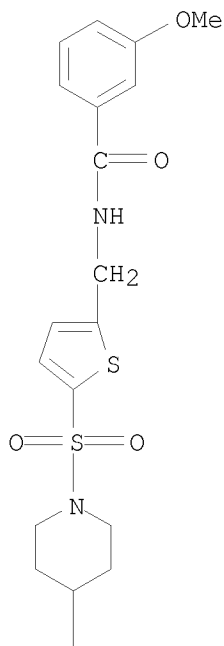
CN Benzamide, 3-methoxy-N-[[5-[[4-[[[(1S,2R)-2-phenylcyclopropyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



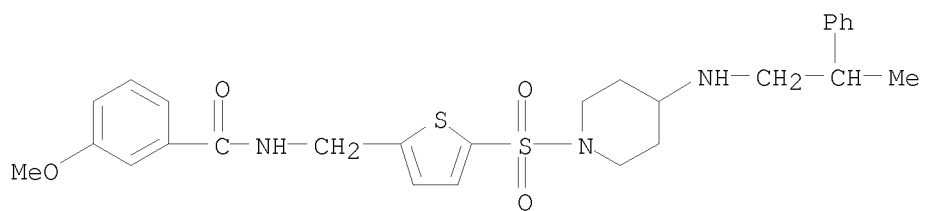
RN 406678-55-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(1-naphthalenylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-57-7 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(2-phenylpropyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

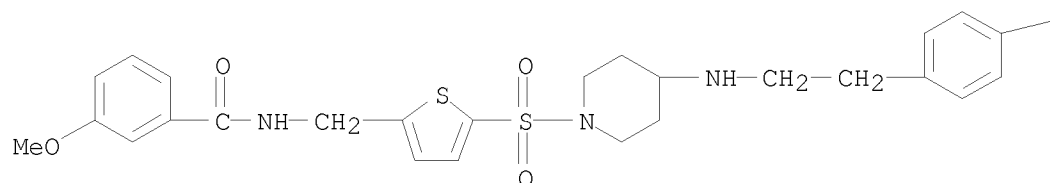


RN 406678-58-8 CAPLUS

10/070,954

CN Benzamide, N-[[5-[[4-[[2-(4-hydroxyphenyl)ethyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

PAGE 1-A

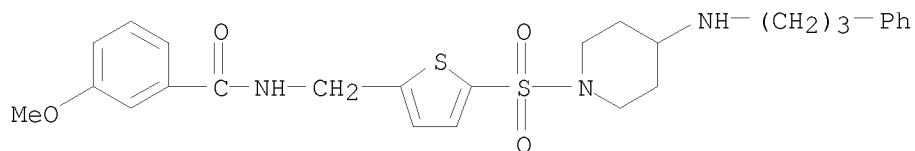


PAGE 1-B

—OH

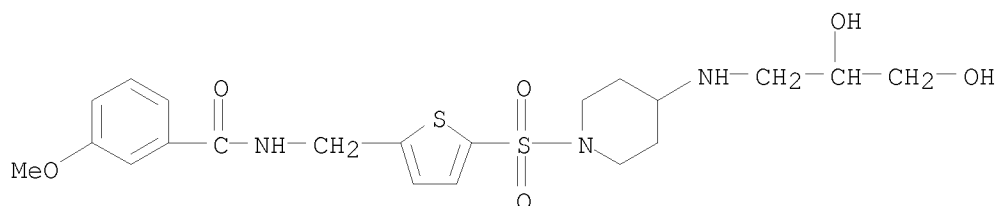
RN 406678-59-9 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(3-phenylpropyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



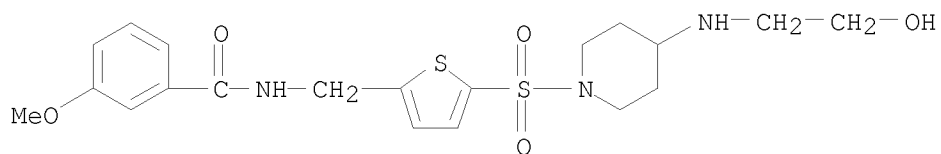
RN 406678-60-2 CAPLUS

CN Benzamide, N-[[5-[[4-[(2,3-dihydroxypropyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



RN 406678-61-3 CAPLUS

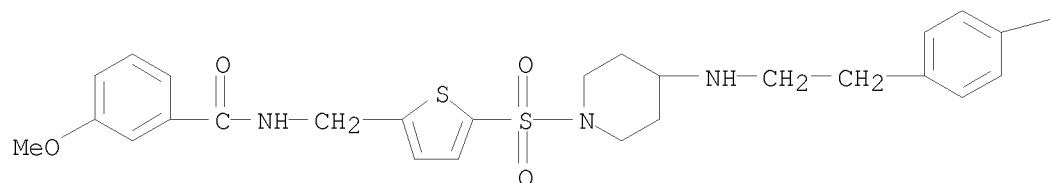
CN Benzamide, N-[[5-[[4-[(2-hydroxyethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



10/070,954

RN 406678-62-4 CAPLUS
CN Benzamide, N-[[5-[[4-[(2-[1,1'-biphenyl]-4-ylethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

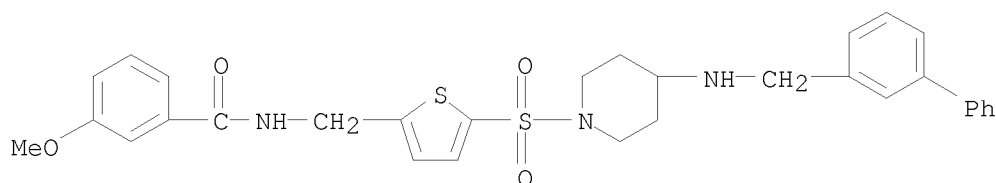
PAGE 1-A



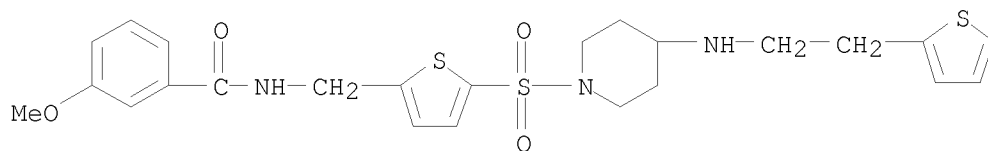
PAGE 1-B

— Ph

RN 406678-63-5 CAPLUS
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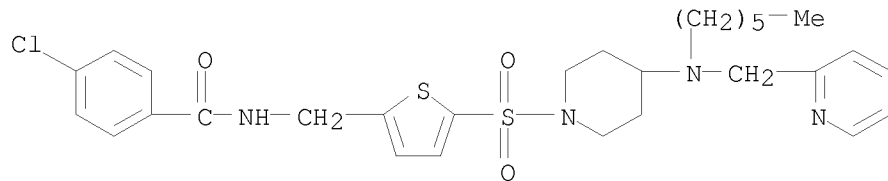


RN 406678-64-6 CAPLUS
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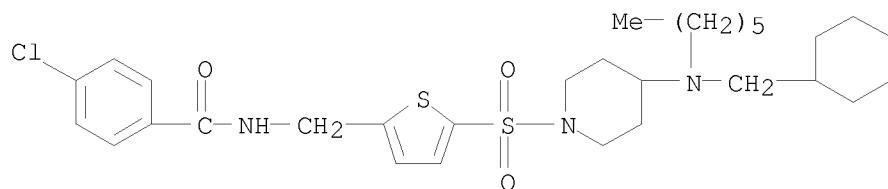
RN 406678-92-0 CAPLUS
CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(2-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



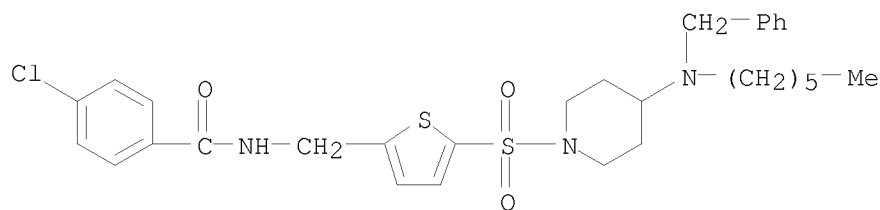
RN 406678-93-1 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[(cyclohexylmethyl)hexylamino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



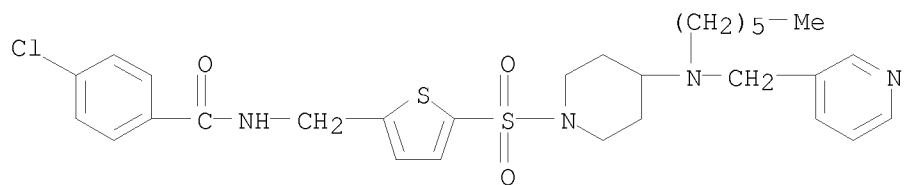
RN 406678-94-2 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(phenylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-95-3 CAPLUS

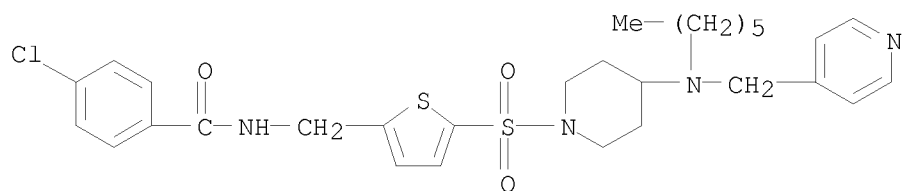
CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(3-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406678-96-4 CAPLUS

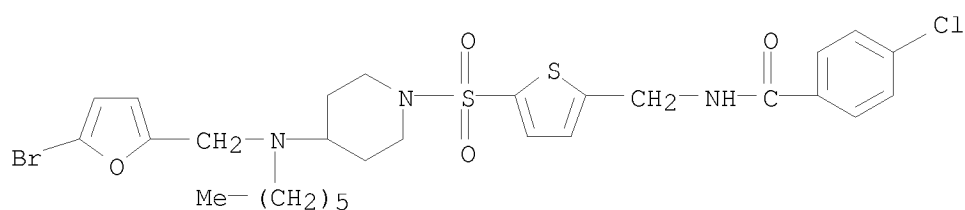
CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(4-pyridinylmethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



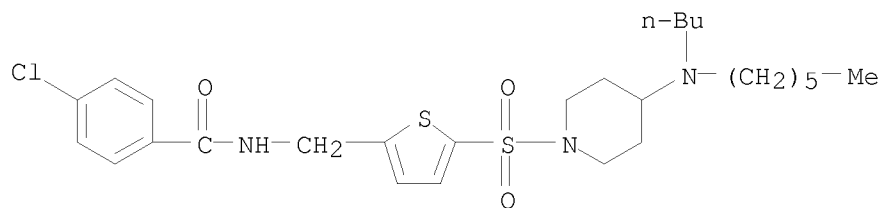
RN 406678-97-5 CAPLUS

CN Benzamide, N-[[5-[[4-[[(5-bromo-2-furanyl)methyl]hexylamino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



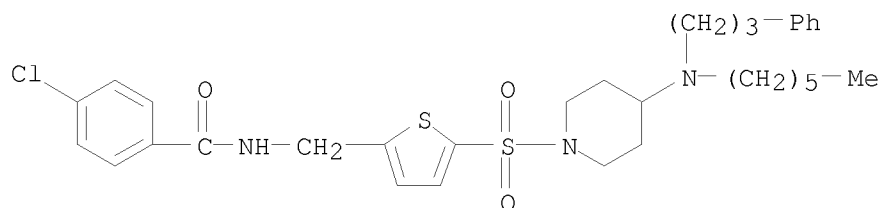
RN 406678-98-6 CAPLUS

| | |
|----|--|
| CN | Benzamide, N-[[5-[[4-(butylhexylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME) |
|----|--|



RN 406678-99-7 CAPLUS

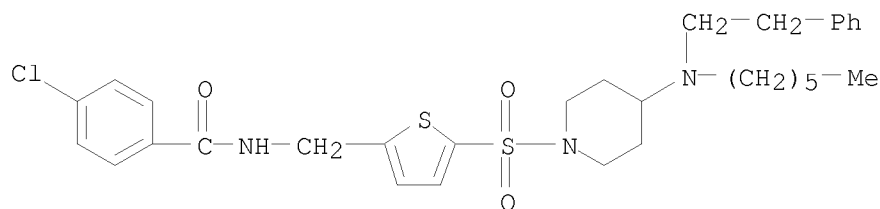
CN Benzamide, 4-chloro-N-[[5-[[4-[hexyl(3-phenylpropyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406679-00-3 CAPLUS

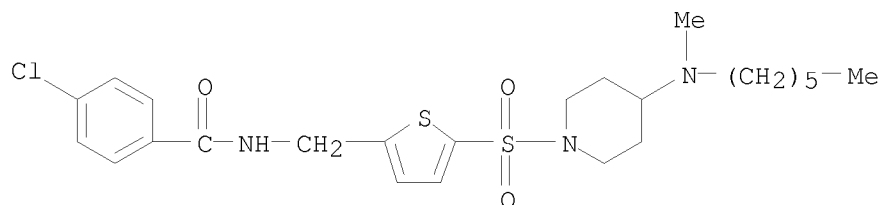
CN Benzamide, 4-chloro-N-[[5-[4-[hexyl(2-phenylethyl)amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

10/070,954



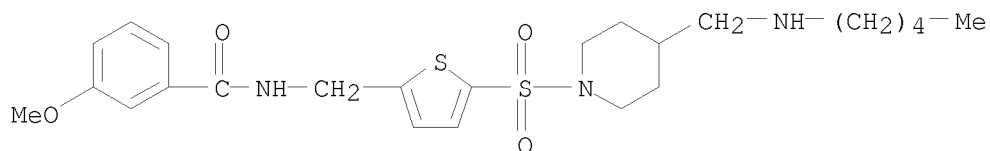
RN 406679-01-4 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(hexylmethylamino)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



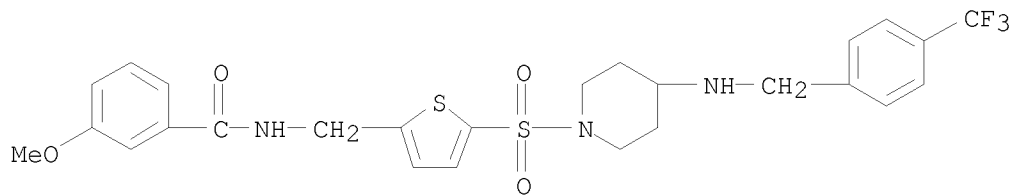
RN 406679-30-9 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[(pentylamino)methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 406679-44-5 CAPLUS

CN Benzamide, 3-methoxy-N-[[5-[[4-[[[4-(trifluoromethyl)phenyl]methyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

IT 406486-99-5P

406679-36-5P

406679-37-6P

406679-38-7P

406679-39-8P

406679-43-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

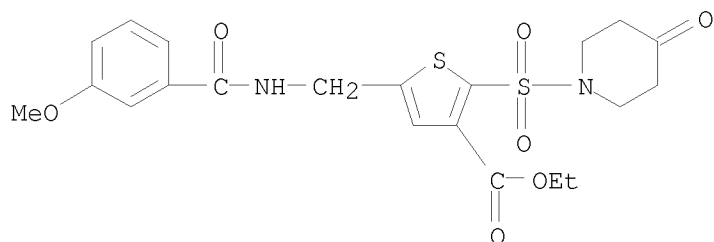
10/070,954

(Reactant or reagent)

(preparation of pharmaceutically active sulfonamides bearing both lipophilic and ionizable moieties as inhibitors of protein Jun kinases)

RN 406486-99-5 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[(4-oxo-1-piperidiny]sulfonyl]-, ethyl ester (CA INDEX NAME)



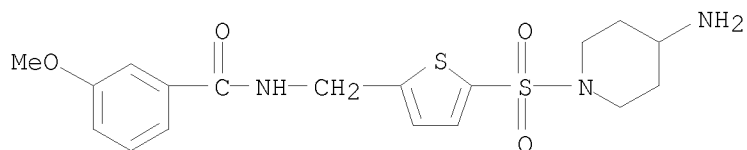
RN 406679-36-5 CAPLUS

CN Benzamide, N-[[[5-[(4-amino-1-piperidiny]sulfonyl]-2-thienyl]methyl]-3-methoxy-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 406679-35-4

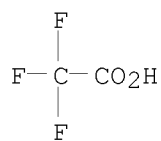
CMF C18 H23 N3 O4 S2



CM 2

CRN 76-05-1

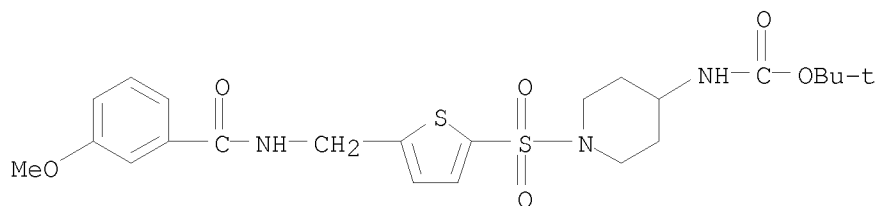
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RN 406679-37-6 CAPLUS

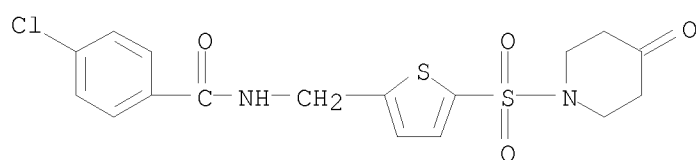
CN Carbamic acid, [1-[[[5-[[[(3-methoxybenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidiny]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

10/070,954



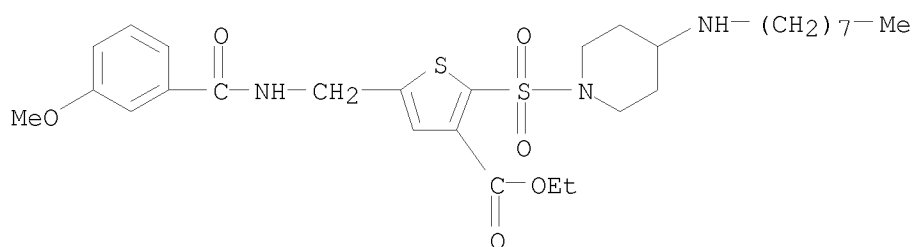
RN 406679-38-7 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[(4-oxo-1-piperidinyl)sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



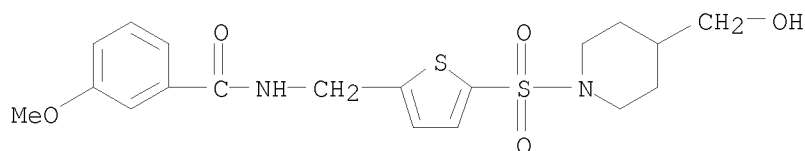
RN 406679-39-8 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[[4-(octylamino)-1-piperidinyl]sulfonyl]-, ethyl ester (CA INDEX NAME)



RN 406679-43-4 CAPLUS

CN Benzamide, N-[[5-[[4-(hydroxymethyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)



OS.CITING REF COUNT: 3

THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 9

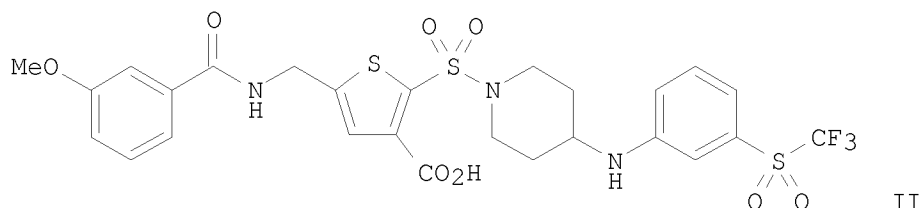
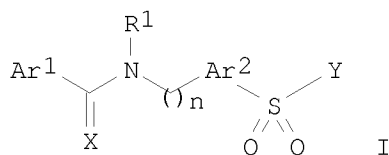
THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2002:253020 CAPLUS
 DOCUMENT NUMBER: 136:279347
 TITLE: Preparation of hydrophilic sulfonamide derivatives as
 inhibitors of protein jun kinases
 INVENTOR(S): Halazy, Serge; Church, Dennis; Camps, Montserrat;
 Rueckle, Thomas; Gotteland, Jean Pierre; Biamonte,
 Marco; Arkinstall, Stephen
 PATENT ASSIGNEE(S): Applied Research Systems ARS Holding N.V., Neth.
 Antilles
 SOURCE: Eur. Pat. Appl., 27 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

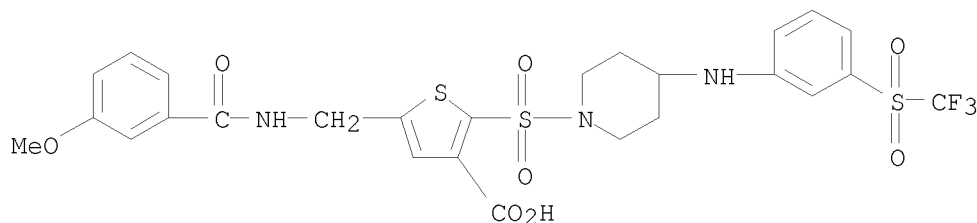
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| EP 1193267 | A1 | 20020403 | EP 2000-810886 | 20000927 |
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| CA 2421417 | A1 | 20020411 | CA 2001-2421417 | 20010927 |
| WO 2002028856 | A1 | 20020411 | WO 2001-IB1771 | 20010927 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2001087990 | A | 20020415 | AU 2001-87990 | 20010927 |
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| JP 2004510772 | T | 20040408 | JP 2002-532439 | 20010927 |
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| US 20040077632 | A1 | 20040422 | US 2003-381200 | 20030910 |
| PRIORITY APPLN. INFO.: | | | EP 2000-810886 | A 20000927 |
| | | | WO 2001-IB1771 | W 20010927 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 136:279347
 GI



- AB Title compds. I [Ar1= (un)substituted (hetero)aryl; Ar2 = (hetero)aryl group substituted with at least one hydrophilic substituent; X = O, S, preferably O; R1 = H, alkyl, or forms a 5-6-membered ring with Ar1; n = 0-5; Y = (un)substituted 4-12-membered saturated cyclic or bicyclic alkyl containing at least one nitrogen atom, whereby one nitrogen atom within said ring is forming a bond with the sulfonyl group] were prepared. For instance, 5-((Diallylamino)methyl)thiophene-2-sulfonyl chloride (preparation given) was treated with 1,4-dioxo-8-azaspiro[4.5]decane to give the corresponding sulfonamide and subsequently converted to the 3-carboethoxy-thiophene derivative (THF, -78°C → -100°C, t-BuLi, EtO₂CCl). Deallylation, acylation with 3-methoxybenzoyl chloride, ketal hydrolysis, reductive amination with 3-(trifluoromethylsulfonyl)aniline and saponification provided II in 8 steps in overall yield of 2.5%. I are efficient modulators of the JNK pathway, they are in particular efficient and selective inhibitors of JNK 2 and 3. II had IC₅₀ = 0.01 μM for protein jun kinase 3 (JNK3). I are useful for the treatment of, e.g., neuronal disorders including epilepsy, Alzheimer's disease, Huntington's disease, Parkinson's disease, retinal diseases, spinal cord injury, etc.
- IT 406486-95-1P, 5-[[[3-Methoxybenzoyl]amino]methyl]-2-[[4-[3-[[trifluoromethyl]sulfonyl]anilino]piperidin-1-yl]sulfonyl]thiophene-3-carboxylic acid
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug; pharmaceutically active hydrophilic sulfonamide derivs. as inhibitors of protein jun kinases)
- RN 406486-95-1 CAPLUS
- CN 3-Thiophenecarboxylic acid, 5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



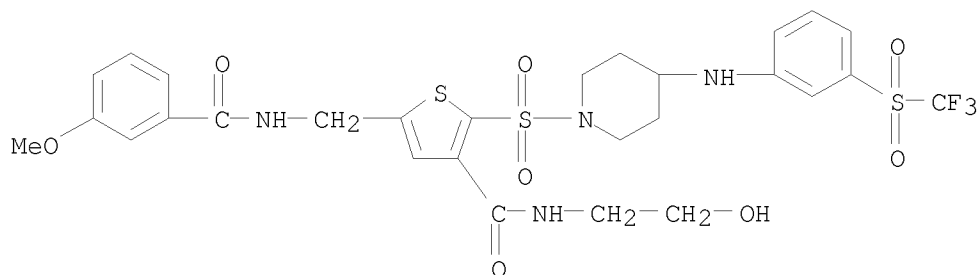
IT 406487-01-2P, N-[2-Hydroxyethyl]-5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[3-[[trifluoromethyl]sulfonyl]anilino]piperidin-1-yl]sulfonyl]thiophene-3-carboxamide 406487-02-3P, N-[[4-[Hydroxymethyl]-5-[[4-[3-[[trifluoromethyl]sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406487-03-4P, 5-[[[3-Methoxybenzoyl]amino]methyl]-2-[[4-[octylamino]piperidin-1-yl]sulfonyl]thiophene-3-carboxylic acid 406487-04-5P, N-[[4-[Hydrazinocarbonyl]-5-[[4-[3-[[trifluoromethyl]sulfonyl]anilino]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]-3-methoxybenzamide 406487-05-6P, 5-[[[3-Methoxybenzoyl]amino]methyl]-2-[[4-[3-[[trifluoromethyl]sulfonyl]anilino]piperidin-1-yl]sulfonyl]thiophene-3-carboxamide 406487-06-7P, N-[2-[Dimethylamino]ethyl]-5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[3-[[trifluoromethyl]sulfonyl]anilino]piperidin-1-yl]sulfonyl]thiophene-3-carboxamide

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug; pharmaceutically active hydrophilic sulfonamide derivs. as inhibitors of protein jun kinases)

RN 406487-01-2 CAPLUS

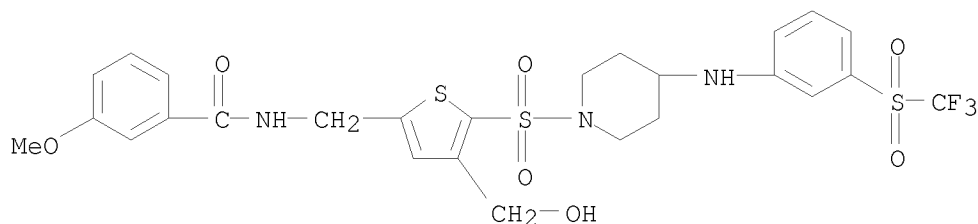
CN 3-Thiophenecarboxamide, N-(2-hydroxyethyl)-5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[[3-[[trifluoromethyl]sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



RN 406487-02-3 CAPLUS

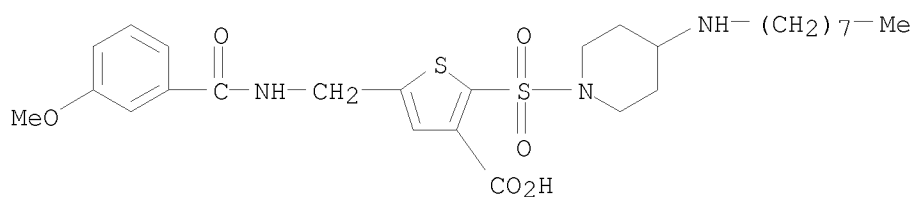
CN Benzamide, N-[[4-(hydroxymethyl)-5-[[4-[[3-[[trifluoromethyl]sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-3-methoxy- (CA INDEX NAME)

10/070,954



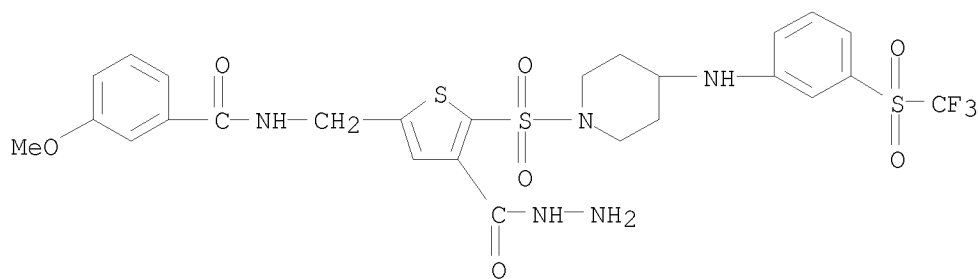
RN 406487-03-4 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



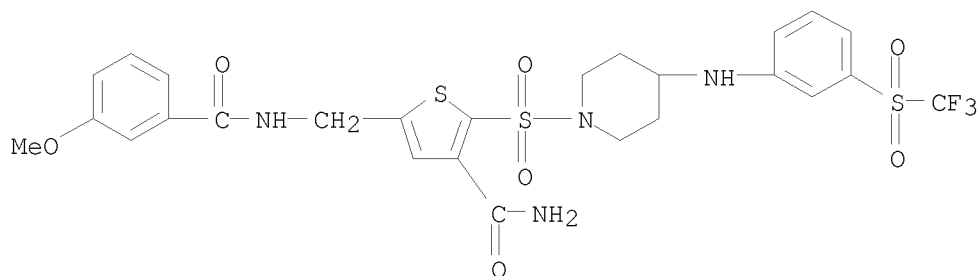
RN 406487-04-5 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-, hydrazide (CA INDEX NAME)



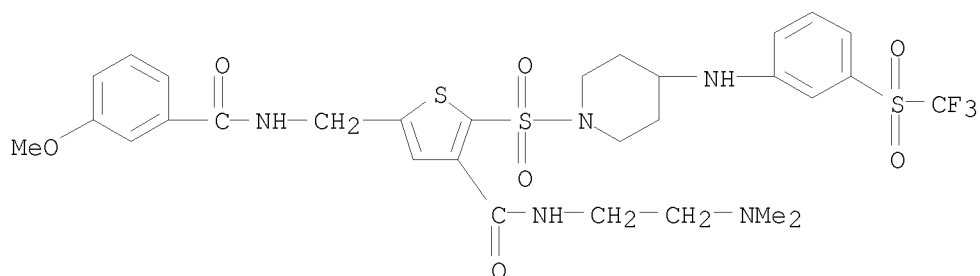
RN 406487-05-6 CAPLUS

CN 3-Thiophenecarboxamide, 5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)



RN 406487-06-7 CAPLUS

CN 3-Thiophenecarboxamide, N-[2-(dimethylamino)ethyl]-5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]- (CA INDEX NAME)

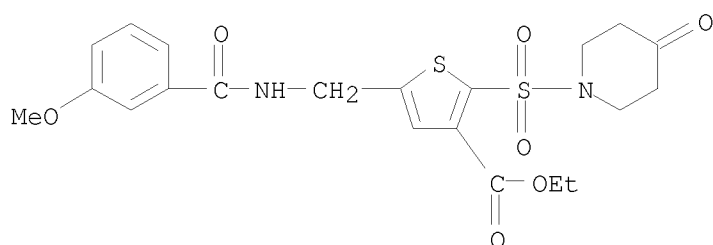


IT 406486-99-5P, Ethyl 5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-oxopiperidin-1-yl]sulfonyl]thiophene-3-carboxylate 406487-00-1P, Ethyl 5-[[[3-methoxybenzoyl]amino]methyl]-2-[[4-[[3-[(trifluoromethyl)sulfonyl]anilino]piperidin-1-yl]sulfonyl]thiophene-3-carboxylate

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; pharmaceutically active hydrophilic sulfonamide derivs. as inhibitors of protein jun kinases)

RN 406486-99-5 CAPLUS

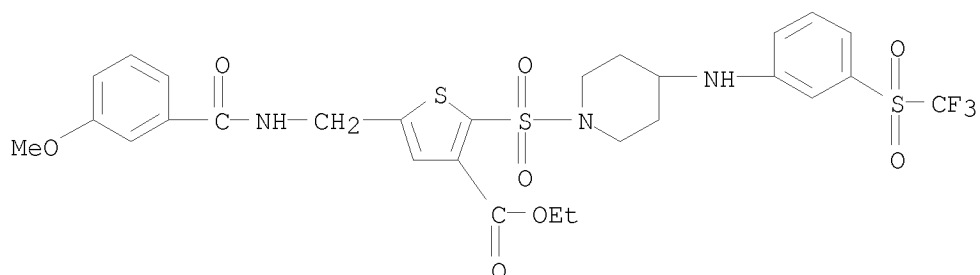
CN 3-Thiophenecarboxylic acid, 5-[[[3-methoxybenzoyl]amino]methyl]-2-[(4-oxo-1-piperidinyl)sulfonyl]-, ethyl ester (CA INDEX NAME)



10/070,954

RN 406487-00-1 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[[(3-methoxybenzoyl)amino]methyl]-2-[[4-[[3-
[(trifluoromethyl)sulfonyl]phenyl]amino]-1-piperidinyl]sulfonyl]-, ethyl
ester (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:72070 CAPLUS

DOCUMENT NUMBER: 136:134677

TITLE: Substituted 2-(S)-hydroxy-3-[(piperidin-4-yl-methyl)amino]propyl ethers and substituted 2-aryl-2-(R)-hydroxy-1-(piperidin-4-yl-methyl)ethylamines as beta-3 adrenergic receptor agonists, antidiabetics, and antiobesity agents

INVENTOR(S): Steffan, Robert John; Ashwell, Mark Anthony; Pelletier, Jeffrey Claude; Solvibile, William Ronald; Matelan, Edward Martin

PATENT ASSIGNEE(S): American Home Products Corporation, USA

SOURCE: PCT Int. Appl., 216 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------|--|----------|-----------------|----------|
| WO 2002006255 | A2 | 20020124 | WO 2001-US22363 | 20010716 |
| WO 2002006255 | A3 | 20020321 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| US 20020037907 | A1 | 20020328 | US 2001-903738 | 20010712 |
| US 6506901 | B2 | 20030114 | | |

PRIORITY APPLN. INFO.: US 2000-218753P P 20000717

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 136:134677

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention provides title compds. I and their pharmaceutically acceptable salts [wherein A = OCH₂, bond; R = (un)substituted aryl or certain N/O/S heterocyclyl; R₁ = (cyclo)alkyl, alkoxy, (cyclo)alkylamino, (un)substituted aryl, arylamino, arylalkyl, or heterocyclyl; Z = bond, SO₂, CO]. I are useful in treating or inhibiting metabolic disorders related to insulin resistance or hyperglycemia (typically associated with obesity or glucose intolerance), atherosclerosis, gastrointestinal disorders, neurogenic inflammation, glaucoma, ocular hypertension, and frequent urination. The compds. are particularly useful in the treatment or inhibition of type II diabetes. They are also useful for increasing lean meat deposition and/or increasing the lean meat to fat ratio in animals, particularly mammals. Approx. 240 individual compds. and addnl. salts were prepared by either standard or combinatorial methods. For instance,

invention compound II was prepared by reaction of the (S)-isomeric epoxide III with the corresponding amine. II had an EC50 of 0.001 μ M against cloned human β 3 adrenoceptors in vitro, with a maximal response comparable to isoproterenol.

IT 392690-00-5P, N-[[5-[[4-[[[(2S)-3-[4-(Benzyloxy)phenoxy]-2-hydroxypropyl]amino]methyl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 392690-02-7P,
N-[[5-[[4-[[[(2S)-2-Hydroxy-3-(4-hydroxyphenoxy)propyl]amino]methyl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 392690-04-9P,
N-[[5-[[4-[[[(2S)-3-(9H-Carbazol-4-yloxy)-2-hydroxypropyl]amino]methyl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 392690-06-1P,
N-[[5-[[4-[[[(2S)-2-Hydroxy-3-[(2-oxo-2,3-dihydro-1H-benzimidazol-4-yl)oxy]propyl]amino]methyl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide 392690-08-3P,
N-[[5-[[4-[[[(2R)-2-Hydroxy-2-[4-hydroxy-3-[(methylsulfonyl)amino]phenyl]ethyl]amino]methyl]piperidin-1-yl]sulfonyl]thien-2-yl]methyl]benzamide

RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)

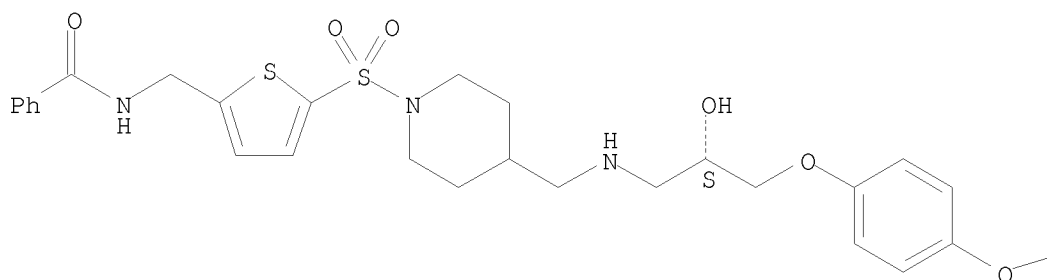
(drug candidate; preparation of piperidine hydroxyaminopropyl ether and hydroxyethylamine derivs. as β 3 adrenergic receptor agonists, antidiabetics, and antiobesity agents)

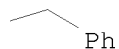
RN 392690-00-5 CAPLUS

CN Benzamide, N-[[5-[[4-[[[(2S)-2-hydroxy-3-[4-(phenylmethoxy)phenoxy]propyl]amino]methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

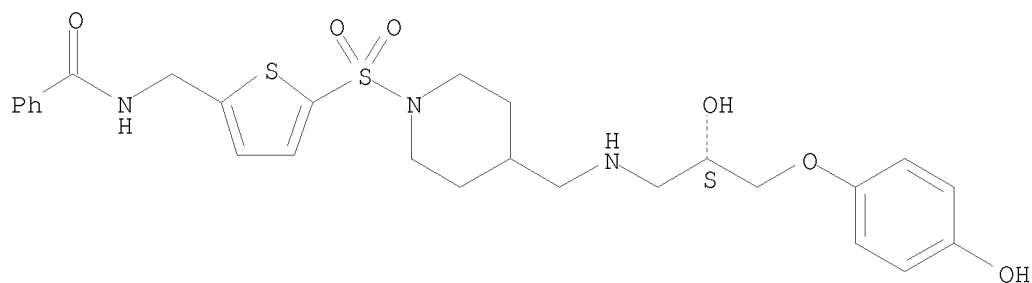




RN 392690-02-7 CAPLUS

CN Benzamide, N-[[5-[[4-[[[(2S)-2-hydroxy-3-(4-hydroxyphenoxy)propyl]amino]methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

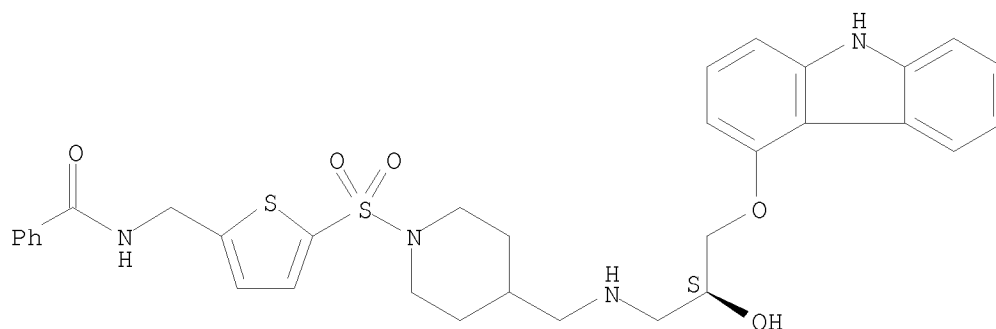
Absolute stereochemistry.



RN 392690-04-9 CAPLUS

CN Benzamide, N-[[5-[[4-[[[(2S)-3-(9H-carbazol-4-yloxy)-2-hydroxypropyl]amino]methyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



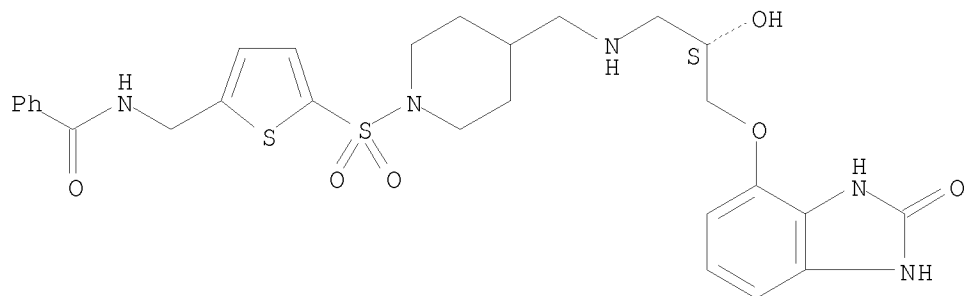
RN 392690-06-1 CAPLUS

CN Benzamide, N-[[5-[[4-[[[(2S)-3-[(2,3-dihydro-2-oxo-1H-benzimidazol-4-yl)oxy]-2-hydroxypropyl]amino]methyl]-1-piperidinyl]sulfonyl]-2-

10/070,954

thienyl)methyl]- (CA INDEX NAME)

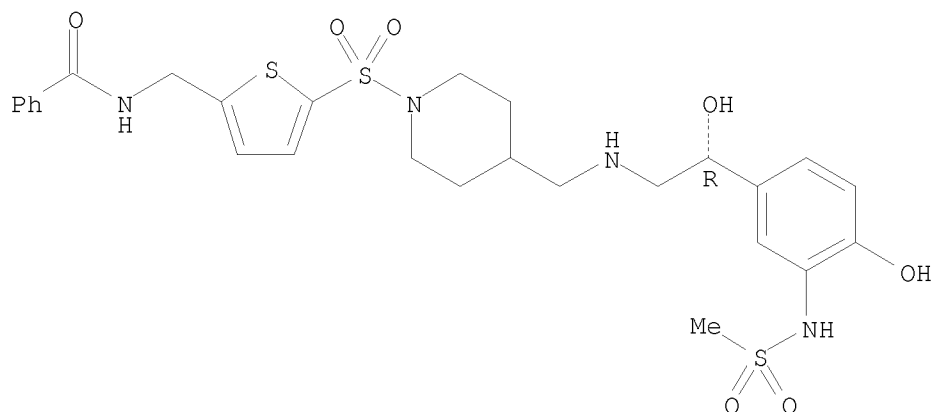
Absolute stereochemistry.



RN 392690-08-3 CAPLUS

CN Benzamide, N-[[5-[[4-[[[(2R)-2-hydroxy-2-[4-hydroxy-3-
[(methylsulfonyl)amino]phenyl]ethyl]amino]methyl]-1-piperidinyl]sulfonyl]-
2-thienyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
(4 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2001:246567 CAPLUS

DOCUMENT NUMBER: 134:280858

TITLE: Preparation of N-thienylsulfonylpiperazines and
analogs as c-Jun N-terminal kinase inhibitors

INVENTOR(S): Arkinstall, Stephen

PATENT ASSIGNEE(S): Applied Research Systems ARS Holding N.V., Neth.
Antilles

SOURCE: Eur. Pat. Appl., 35 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

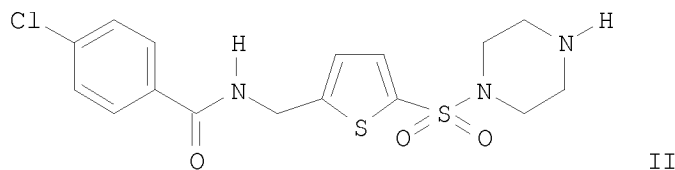
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| EP 1088821 | A1 | 20010404 | EP 1999-810869 | 19990928 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| CA 2379575 | A1 | 20010405 | CA 2000-2379575 | 20000928 |
| WO 2001023378 | A1 | 20010405 | WO 2000-IB1380 | 20000928 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| BR 2000014641 | A | 20020611 | BR 2000-14641 | 20000928 |
| EP 1218374 | A1 | 20020703 | EP 2000-960921 | 20000928 |
| EP 1218374 | B1 | 20051116 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL | | | | |
| TR 200200789 | T2 | 20020821 | TR 2002-789 | 20000928 |
| HU 2002003312 | A2 | 20030128 | HU 2002-3312 | 20000928 |
| HU 2002003312 | A3 | 20030228 | | |
| JP 2003510319 | T | 20030318 | JP 2001-526530 | 20000928 |
| EE 200200165 | A | 20030415 | EE 2002-165 | 20000928 |
| EE 5109 | B1 | 20081215 | | |
| NZ 517424 | A | 20040130 | NZ 2000-517424 | 20000928 |
| AU 777708 | B2 | 20041028 | AU 2000-73074 | 20000928 |
| CN 1189467 | C | 20050216 | CN 2000-813568 | 20000928 |
| AT 309998 | T | 20051215 | AT 2000-960921 | 20000928 |
| ES 2248114 | T3 | 20060316 | ES 2000-960921 | 20000928 |
| SK 287058 | B6 | 20091007 | SK 2002-580 | 20000928 |
| ZA 2002001509 | A | 20030224 | ZA 2002-1509 | 20020222 |
| BG 106527 | A | 20030228 | BG 2002-106527 | 20020318 |
| NO 2002001530 | A | 20020326 | NO 2002-1530 | 20020326 |
| NO 324792 | B1 | 20071210 | | |
| MX 2002003199 | A | 20021031 | MX 2002-3199 | 20020326 |
| KR 827533 | B1 | 20080506 | KR 2002-703983 | 20020327 |
| HK 1048306 | A1 | 20050610 | HK 2003-100202 | 20030108 |
| PRIORITY APPLN. INFO.: | | | EP 1999-810869 | A 19990928 |
| | | | WO 2000-IB1380 | W 20000928 |

OTHER SOURCE(S): MARPAT 134:280858
GI



AB RC(:X)NR1(CH2)nZSO2R2 [I; R = (un)substituted (hetero)aryl; R1 = H or (un)substituted alkyl; RR1 = atoms to complete a ring; R2 = N-attached (poly)aza(bi)cycloalkyl; X = O or S; Z = (un)substituted (hetero)aryene; n = 0-5] were prepared. Thus, 2-thiophenemethanamine was amidated by 4-ClC6H4COC1 and the chlorosulfonated product amidated by piperazine to give title compound II. Data for biol. activity of I were given.

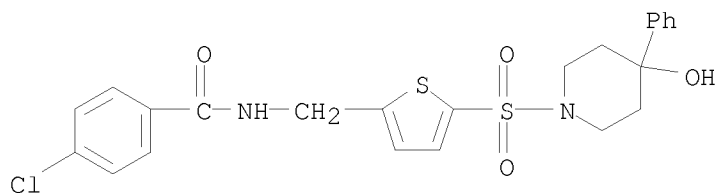
IT 332415-52-8P 332415-54-0P 332415-57-3P
332415-59-5P 332415-65-3P 332415-75-5P
332415-79-9P 332416-11-2P 332416-15-6P
332416-22-5P 332416-25-8P 332416-27-0P
332416-32-7P 332416-33-8P 332416-34-9P
332416-35-0P 332416-40-7P 332416-41-8P
332421-97-3P 332421-98-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-thienylsulfonylpiperazines and analogs as c-Jun N-terminal kinase inhibitors)

RN 332415-52-8 CAPLUS

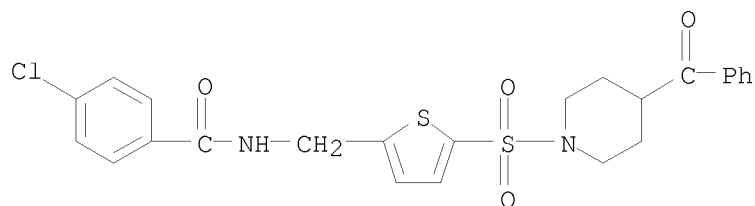
CN Benzamide, 4-chloro-N-[[5-[(4-hydroxy-4-phenyl-1-piperidiny1)sulfonyl]-2-thienyl)methyl]- (CA INDEX NAME)



RN 332415-54-0 CAPLUS

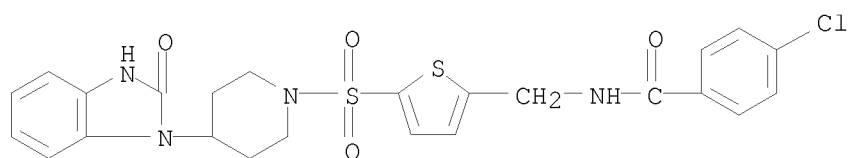
CN Benzamide, N-[[5-[(4-benzoyl-1-piperidiny1)sulfonyl]-2-thienyl)methyl]-4-chloro- (CA INDEX NAME)

10/070,954



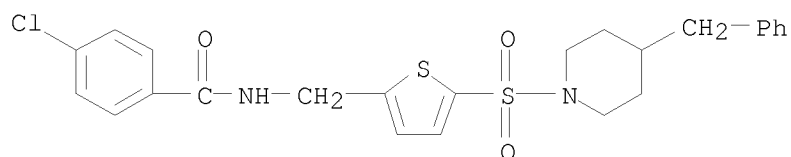
RN 332415-57-3 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



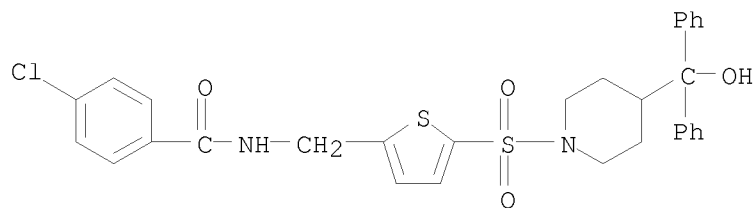
RN 332415-59-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(phenylmethyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



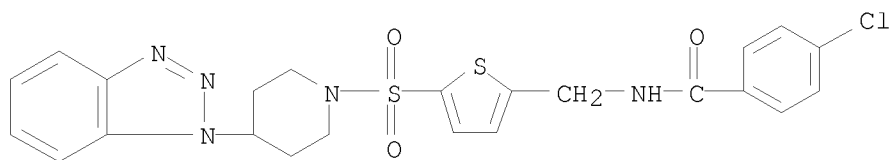
RN 332415-65-3 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(hydroxydiphenylmethyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



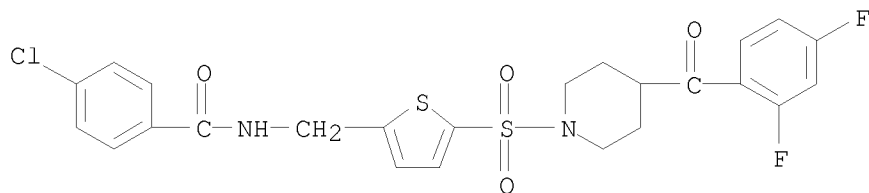
RN 332415-75-5 CAPLUS

CN Benzamide, N-[[5-[[4-(1H-benzotriazol-1-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



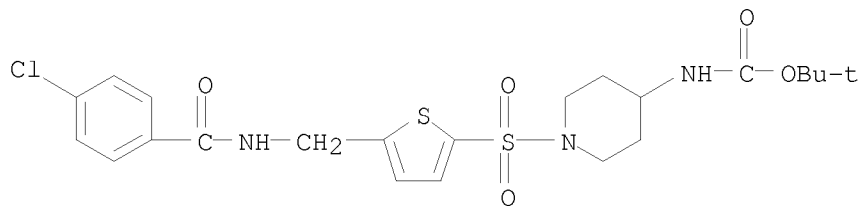
RN 332415-79-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(2,4-difluorobenzoyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



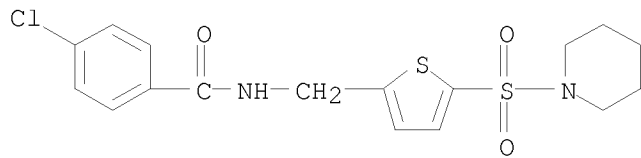
RN 332416-11-2 CAPLUS

CN Carbamic acid, [1-[[5-[[4-(2,4-difluorobenzoyl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chlorophenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



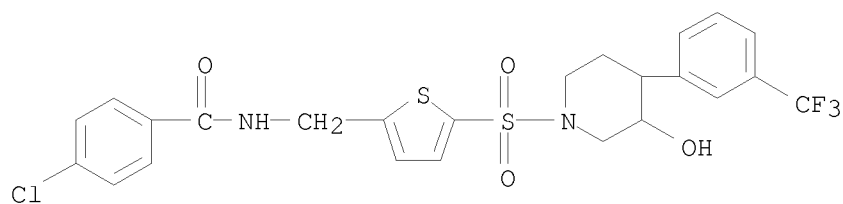
RN 332416-15-6 CAPLUS

CN Benzamide, 4-chloro-N-[[5-(1-piperidinylsulfonyl)-2-thienyl]methyl]- (CA INDEX NAME)



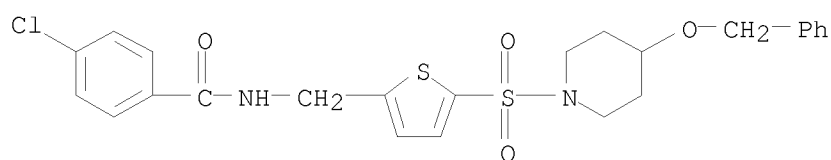
RN 332416-22-5 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[3-hydroxy-4-[3-(trifluoromethyl)phenyl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



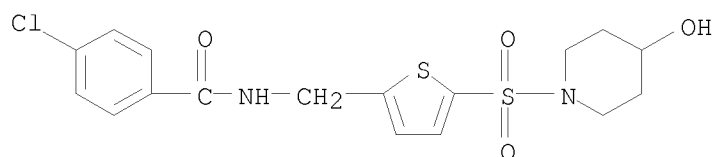
RN 332416-25-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(phenylmethoxy)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



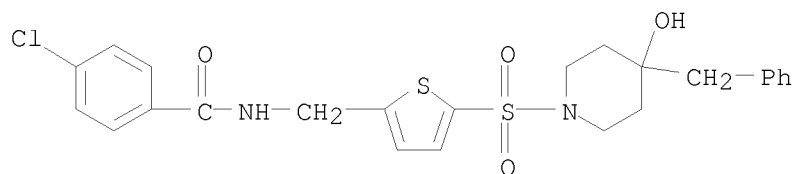
RN 332416-27-0 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[(4-hydroxy-1-piperidinyl)sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



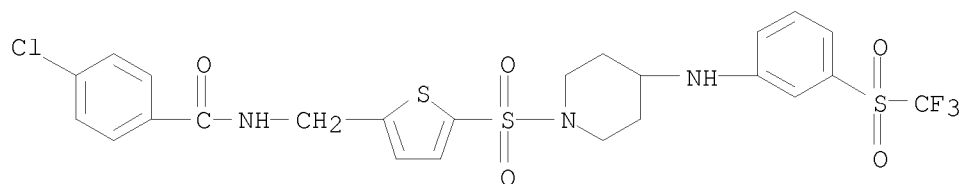
RN 332416-32-7 CAPLUS

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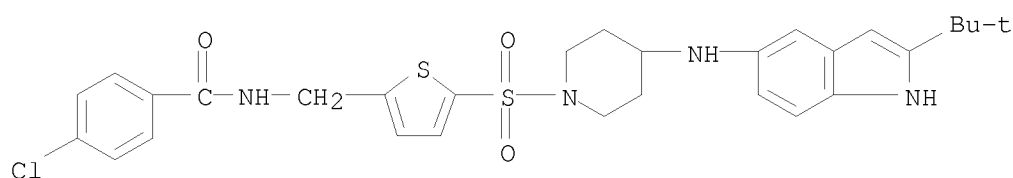
RN 332416-33-8 CAPLUS

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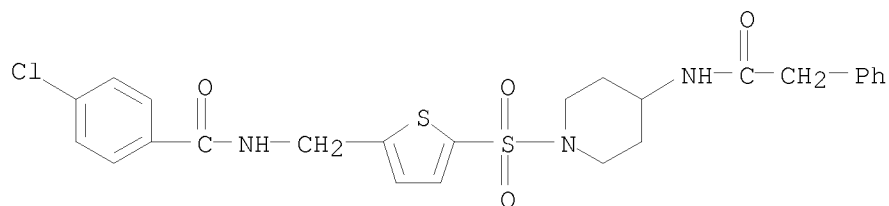
RN 332416-34-9 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-[[2-(1,1-dimethylethyl)-1H-indol-5-yl]amino]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)



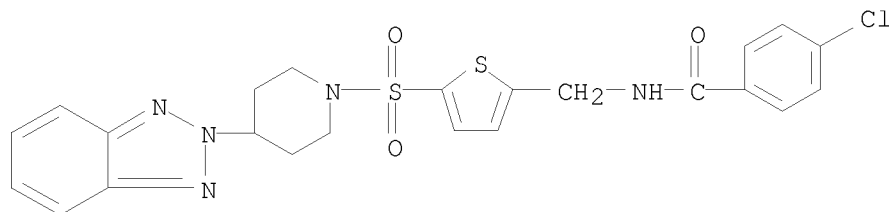
RN 332416-35-0 CAPLUS

CN Benzeneacetamide, N-[1-[[5-[[4-(4-chlorobenzoyl)amino]methyl]-2-thienyl]sulfonyl]-4-piperidinyl]- (CA INDEX NAME)



RN 332416-40-7 CAPLUS

CN Benzamide, N-[[5-[[4-(2H-benzotriazol-2-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]-4-chloro- (CA INDEX NAME)



RN 332416-41-8 CAPLUS

CN Benzamide, 4-chloro-N-[[5-[[4-(5-chloro-2H-benzotriazol-2-yl)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Clc1ccc(cc1)/C(=O)NCC2=CC=C(S2)S(=O)(=O)N3CCCCC3N4C=NC5=CC=C(Cl)C=C45Clc1ccc(cc1)C(=O)NCCc2ccsc2S(=O)(=O)N3CCCCC3C(=O)c4ccc(Cl)cc4CC(=O)N1CCCCC1NC(=O)c2ccccc2NS(=O)(=O)c3ccsc3N(Cc4ccc(Cl)cc4)C5=CC=CC=C5

L18 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1998:487563 CAPLUS

DOCUMENT NUMBER: 129:230615

ORIGINAL REFERENCE NO.: 129:46927a,46930a

TITLE: Synthesis of isomeric 3-piperidinyl and 3-pyrrolidinyl benzo[5,6]cyclohepta[1,2-b]pyridines: sulfonamido derivatives as inhibitors of Ras prenylation

AUTHOR(S): Kelly, Joseph; Wolin, Ronald; Connolly, Michael; Afonso, Adriano; James, Linda; Kirshmeier, Paul; Bishop, W. Robert; Mcphail, Andrew T.

CORPORATE SOURCE: Schering-Plough Research Institute, Kenilworth, NJ, 07033, USA

SOURCE: Bioorganic & Medicinal Chemistry (1998), 6(6), 673-686
CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Blocking farnesylation of oncogenic Ras proteins is a mechanism-based therapeutic approach that is of current interest for the development of antitumor agents to treat Ras associated tumors. As part of a SAR study on the lead farnesyl protein transferase (FPT) inhibitor Sch 44342, the synthesis of novel geometric isomers and the FPT inhibition activity of their N-acyl and N-sulfonamido derivs. is reported. The N-acyl derivs. are markedly less active than Sch 44342, thereby demonstrating that the spatial location of the N-acyl group in Sch 44342 is critical for binding of the compound to FPT. In contrast to Sch 44342, the N-sulfonamido series is a novel lead of nonsulfhydryl, nonpeptidic compds. that are dual FPT/GGPT inhibitors. In light of recent reports on the alternative prenylation of N- and K-Ras, dual FPT/GGPT inhibitors may be required to control cell proliferation in tumors containing activated Ras.

IT 183555-01-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

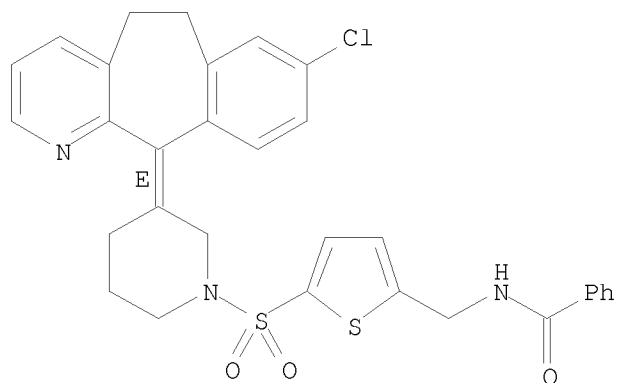
(preparation of azacycloalkylbenzocycloheptapyridines as farnesyl protein transferase inhibitors)

RN 183555-01-3 CAPLUS

CN Benzamide, N-[[5-[[[(3E)-3-(8-chloro-5,6-dihydro-1H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Double bond geometry as shown.

10/070,954

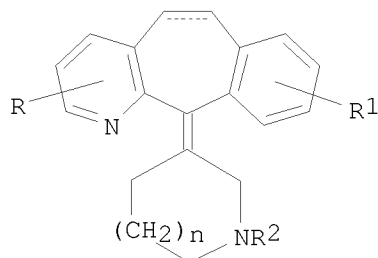


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| OS.CITING REF COUNT: | 11 | THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS) |
| REFERENCE COUNT: | 34 | THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT |

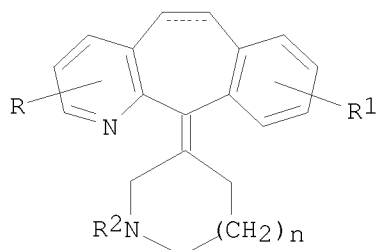
L18 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1996:708198 CAPLUS
 DOCUMENT NUMBER: 125:317330
 ORIGINAL REFERENCE NO.: 125:59134h,59135a
 TITLE: Tricyclic compounds useful for inhibition of G-protein function and for treatment of proliferative diseases
 INVENTOR(S): Afonso, Adriano; Kelly, Joseph M.; Wolin, Ronald L.
 PATENT ASSIGNEE(S): Schering Corporation, USA
 SOURCE: PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

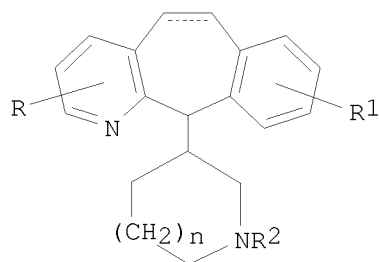
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| WO 9630017 | A1 | 19961003 | WO 1996-US3306 | 19960320 |
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| RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| US 5684013 | A | 19971104 | US 1995-410442 | 19950324 |
| CA 2216291 | A1 | 19961003 | CA 1996-2216291 | 19960320 |
| CA 2216291 | C | 20010605 | | |
| AU 9653072 | A | 19961016 | AU 1996-53072 | 19960320 |
| AU 708244 | B2 | 19990729 | | |
| EP 814807 | A1 | 19980107 | EP 1996-909646 | 19960320 |
| EP 814807 | B1 | 20030507 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI | | | | |
| JP 10505102 | T | 19980519 | JP 1996-529429 | 19960320 |
| JP 3001982 | B2 | 20000124 | | |
| HU 9801396 | A2 | 19990528 | HU 1998-1396 | 19960320 |
| HU 9801396 | A3 | 20000328 | | |
| TW 473477 | B | 20020121 | TW 1996-85103321 | 19960320 |
| AT 239472 | T | 20030515 | AT 1996-909646 | 19960320 |
| ES 2198481 | T3 | 20040201 | ES 1996-909646 | 19960320 |
| IL 117603 | A | 20010128 | IL 1996-117603 | 19960321 |
| US 5703090 | A | 19971230 | US 1996-714023 | 19960911 |
| US 5958939 | A | 19990928 | US 1997-891849 | 19970710 |
| PRIORITY APPLN. INFO.: | | | US 1995-410442 | A 19950324 |
| | | | US 1995-443617 | B1 19950518 |
| | | | WO 1996-US3306 | W 19960320 |
| ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT | | | | |
| OTHER SOURCE(S): | | MARPAT 125:317330 | | |
| GI | | | | |



I



II



III

AB A method of inhibiting Ras function and therefore inhibiting cellular growth is disclosed. The method comprises the administration of I, II, or III [R, R1 = H, C1-6 alkyl, halo, OH, C1-6 alkoxy, NH2, C1-6 alkylamino, di((C1-6)alkyl)amino, CF3, SO3H, CO2R3, NO2, SO2NH2, CONHR4; R2 = R5C(O), R5CH2C(O), R5C(R6)2C(O), R5SO2, R5CH2SO2, R5SCH2C(O), R5OC(O), R5NHC(O), R5C(O)C(O), R4SC(O); R3 = C1-6 alkyl, aryl; R4 = C1-6 alkyl; R5 = C1-6 alkyl, aryl, aryl(C1-6)alkyl, aryl(C2-6)alkenyl, heteroaryl, heteroaryl(C1-6)alkyl, heteroaryl(C2-6)alkenyl, heterocycloalkyl; R6 = C1-6 alkyl, or both R4 groups together with the C to which they are attached form a C3-7 carbocyclic ring; n = 0, 1; dotted line = optional double bond] or pharmaceutically acceptable salts thereof. Preparation of compds. of the invention, as well as of intermediates, is described. Inhibition of farnesyl protein transferase and of tumor cell growth by compds. of the invention was determined. Active-compound tablet and capsule formulations are included.

IT 183555-01-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

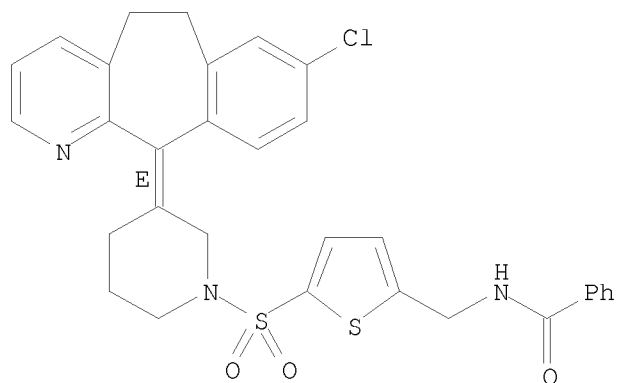
(tricyclic compound preparation for use in Ras inhibition, inhibition of G-protein function, and treatment of proliferative diseases)

RN 183555-01-3 CAPLUS

CN Benzamide, N-[[[5-[[[(3E)-3-(8-chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)

Double bond geometry as shown.

10/070,954



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| OS.CITING REF COUNT: | 21 | THERE ARE 21 CAPLUS RECORDS THAT CITE THIS RECORD (37 CITINGS) |
| REFERENCE COUNT: | 2 | THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT |

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L1 1 S WO 9853814/PN

L2 1 S 125:317330/DN

SELECT RN L1 1-

SELECT RN L2 1-

FILE 'REGISTRY' ENTERED AT 13:57:54 ON 05 MAR 2010

L3 200 S E1-200

L4 200 S E201-400

L5 163 S E401-569

L6 215286 S 16.145/RID AND 46.156/RID

L7 557 S L3 OR L4 OR L5

L8 16 S L6 AND L7

L9 1309779 S FURANYL

L10 189466 S 16.138/RID AND 46.156/RID

L11 273915 S 46.156.30/RID AND 46.156.1/RID

L12 664003 S L6 OR L10 OR L11

L13 STRUCTURE UPLOADED

L14 1 S L13

L15 687 S L13 SSS FUL

L16 683 S L12 AND L15

FILE 'CAPLUS' ENTERED AT 14:19:25 ON 05 MAR 2010

L17 15 S L16

L18 12 S L17 NOT (2010/SO OR 2009/SO OR 2008/SO OR 2007/SO OR 2006/SO

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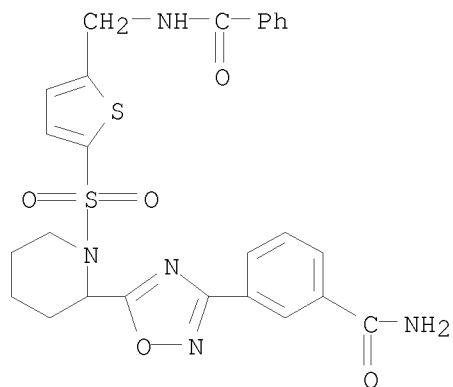
L19 452 S L16 AND CAPLUS/LC

L20 231 S L16 NOT L19

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10/070,954

L20 ANSWER 231 OF 231 REGISTRY COPYRIGHT 2010 ACS on STN
RN 322416-58-0 REGISTRY
ED Entered STN: 20 Feb 2001
CN Benzamide, N-[[5-[[2-[3-[3-(aminocarbonyl)phenyl]-1,2,4-oxadiazol-5-yl]-1-piperidinyl]sulfonyl]-2-thienyl]methyl]- (CA INDEX NAME)
MF C26 H25 N5 O5 S2
SR Chemical Library
Supplier: LION bioscience AG



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT